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FEDERAL - STATE - PRIVATE  
COOPERATIVE SNOW SURVEYS

U. S. DEPT. OF AGRICULTURE  
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MAR 22 1966

SOIL CONSERVATION SERVICE

# WATER SUPPLY OUTLOOK and FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS for NEVADA

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,  
and  
NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES  
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above  
in cooperation with the Federal, State and private organizations listed  
on the last page of this report.

AS OF  
MAR. 1, 1966

# UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

## To Recipients of Water Supply Outlook Reports:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data or reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Listed below are water supply outlook reports based on Federal-State-Private Cooperative snow surveys. Those published by the Soil Conservation Service may be obtained from Soil Conservation Service, Room 507, Federal Building, 701 N. W. Glisan, Portland, Oregon 97209.

### PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
<b>RIVER BASINS</b>			
WESTERN UNITED STATES _____	MONTHLY (FEB.-MAY) _____	PORTLAND, OREGON _____	ALL COOPERATORS
BASIC DATA SUMMARY _____	OCTOBER 1 _____	PORTLAND, OREGON _____	ALL COOPERATORS
<b>STATES</b>			
ALASKA _____	MONTHLY (MAR.-MAY) _____	PALMER, ALASKA _____	ALASKA S.C.D.
ARIZONA _____	SEMI-MONTHLY (JAN.15 - APR.1) _____	PHOENIX, ARIZONA _____	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO _____	MONTHLY (FEB.-MAY) _____	FORT COLLINS, COLORADO _____	COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO _____	MONTHLY (JAN.-JUNE) _____	BOISE, IDAHO _____	IDAHO STATE RECLAMATION ENGINEER
MONTANA _____	MONTHLY (JAN.-JUNE) _____	BOZEMAN, MONTANA _____	MONT. AGR. EXP. STATION
NEVADA _____	MONTHLY (JAN.-MAY) _____	RENO, NEVADA _____	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON _____	MONTHLY (JAN.-JUNE) _____	PORTLAND, OREGON _____	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH _____	MONTHLY (JAN.-JUNE) _____	SALT LAKE CITY, UTAH _____	UTAH STATE ENGINEER
WASHINGTON _____	MONTHLY (FEB.-JUNE) _____	SPOKANE, WASHINGTON _____	WN. STATE DEPT. OF CONSERVATION
WYOMING _____	MONTHLY (FEB.-JUNE) _____	CASPER, WYOMING _____	WYOMING STATE ENGINEER

### PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA _____	MONTHLY (FEB.-JUNE) _____	WATER RESOURCES SERVICE, DEPT. OF LANDS, FOREST AND WATER RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA _____	MONTHLY (FEB.-MAY) _____	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.

**WATER SUPPLY OUTLOOK**  
and  
**FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS**  
**for**  
**NEVADA**

*Report prepared by*

**MANES BARTON**

*and*

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SOIL CONSERVATION SERVICE  
1479 SOUTH WELLS AVENUE  
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**MARCH 8, 1966**

*Issued by*

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STATE CONSERVATIONIST  
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RENO, NEVADA

**ELMO J. DE RICCO**

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CARSON CITY, NEVADA





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# ALPHABETICAL INDEX TO NEVADA SNOW COURSES

This alphabetical tabulation of snow courses has been prepared to provide readers with rapid access to basic snow survey data. The reader is referred to the "Index to Nevada Snow Courses by basins" and "Nevada Snow Courses" map on the next page for other detailed information such as location, elevation, basin and sub-basin, state and numbering system legend.

SNOW COURSE	NO.	PLATE	SNOW COURSE	NO.	PLATE
AMERICAN BEAUTY	15J17a	8, 11	LAMOILLE #1	15J4	8, 11
BAKER #1	14L1	7	LAMOILLE #2	15J5	8, 11
BAKER #2	14L2	7	LAMOILLE #3	15J6M	8, 11
BAKER #3	14L3	7	LAMOILLE #4	15J7	8, 11
BALO MOUNTAIN	19H1	13	LAMOILLE #5	15J8	8, 11
BARBER CREEK	20H5	13	LAPON MEADOW	18L1	5
BEAR CREEK	15H1A	10, 11	LAUREL CRAW	16H5	10
BERRY CREEK	14K2	7	LEAVITT MEADOWS	19L8	5
BIG BEND	15H4MP	10, 11	LEE CANYON #1	15N4	6
BIG CREEK CAMPGROUND	17K1	6	LEE CANYON #2	15N3	6
BIG CREEK MINE	17K2	6	LEE CANYON #3	15N8	6
BIG CREEK, UPPER	17K3	6	LITTLE BALLY MTN.	19H4a	13
BIRO CREEK	14K1	7	LITTLE VALLEY	19K3	2
BLUE LAKES	19L5	3, 4	LOBLOLL LAKE	19L17a	5
BOCA #2	20K14	2, 4	LOUSE CANYON	17G4a	12
BROCKWAY SUMMIT	20K22	2	LOWER CORRAL	17L1	6
BUCKEYE FORKS	19L11	5	MARLETTE LAKE	19K4M	2, 3
BUCKEYE ROUGHS	19L10	5	MARTIN CREEK	17H3	11, 12
BUCKSKIN, LOWER	17H2	11, 12	MATHEW CANYON	14M1	6
BUCKSKIN, UPPER	17H1	11, 12	MERRITT MTN.	15H20	10
CAMPITO MOUNTAIN	18M2	6	MIOAS	16H3AP	10, 11
CARSON PASS, UPPER	19L4	3, 4	MONTGOMERY PASS	18M1	6
CAVE CREEK	15J13	7, 8, 11	MT. GRANT	18L2	5
CEGAR PASS	20H6	13	MT. ROSE	19K2	2
CENTER MOUNTAIN	19L12A	5	MURRAY SUMMIT	14K3	7
CHIATOVICH FLAT	18M5	6			
CLARK CANYON	15N2	6	OREGON CANYON	17G5a	12
CLEAR CREEK	19K5	3, 4			
COLUMBIA BASIN	16H6a	10	PINCHOT CREEK	18M3a	6
CORRAL CANYON	15J12A	8, 11	PINE CANYON	14M2	6
OAGGETTS PASS	19L14	2, 3, 4	PIUTE PASS	18M4a	6
DENIO CREEK	18G6a	12	POISON FLAT	19L6a	3, 4
DISASTER PEAK	18H1	12	POLE CANYON	15J18a	8, 11
DISMAL SWAMP	20H3a	13	POLE CREEK R. S.	15H14	9
DONNER PARK #2	20K21	2	QUINN RIDGE	17H6a	12
DONNER SUMMIT	20K10	2, 4			
DORSEY BASIN	15J1MP	8, 11	RAINBOW CANYON #2	15N7	6
ORY CREEK	15J3	8, 11	REO POINT	15H18a	9
			RESERVATION CREEK	20H4	13
EAGLE PEAK	20H7	13	RICHARDSONS #2	20L3	2
EBBETTS PASS	19L19a	3	ROBINSON LAKE	15J16a	8, 11
ECHO SUMMIT	20L5	2, 3, 4	ROBINSON SUMMIT	15K1	7
			ROOEO FLAT	15H6MP	10, 11
FAWN CREEK	16HBa	10	RUBICON #1	20L1	2
FORDYCE LAKE	20K7	2, 4	RUBICON #2	20L2	2
49-MTN.	19H3	13	RYAN RANCH	15J2	8, 11
FOX CREEK	15H2	10			
FREEL BENCH	19L2	2	SAGE HEN CREEK	20K6	2, 4
FRY CANYON	15H7	10, 11	76 CREEK	15H3A	10, 11
FURNACE FLAT	20K8	2, 4	SILVER CREEK #2	14K7	7
			SONORA PASS	19L7M	3, 5
GLENBROOK #2	19K6	2, 3	SQAW VALLEY #2	20K19	2
GOAT CREEK	15H13	9	STAG MTN.	15H19a	10, 11
GOLCONDA #2	17J2	11			
GOLO CREEK	15H5	10, 11	TOHOE CITY	20K16	2, 4
GRANITE PEAK	17H4	11, 12	TAYLOR CANYON	15H9MP	10, 11
GREEN MOUNTAIN	15J9MP	8, 11	TIOGA PASS	19M1	5
			TOE JAM	16H7a	10, 11
HAGANS MEADOW	19L3M	2, 4	TREMEWAN RANCH	15H8	10, 11
HAGER CANYON	15J14	7, 8, 11	TROUGH SPRINGS	15N1	6
HARRISON PASS #1	15J10	8, 11	TROUT CREEK	18G5a	12
HARRISON PASS #2	15J11	8, 11	TROUT CREEK, LOWER	15H10P	8, 11
HAYS CANYON	19H2	13	TROUT CREEK, UPPER	15H11A	8, 11
HOLE-IN-MOUNTAIN	15J15	8, 11	TRUCKEE #2	20K13M	2
HUMMINGBIRD SPRINGS	15H15A	9, 11			
			UPPER CORRAL	17L2	6
INDEPENDENCE CAMP	20K4M	2, 4	UPPER FISH VALLEY	19L16a	3
INDEPENDENCE CREEK	20K3	2	UPPER TRUCKEE	19L1	2
INDEPENDENCE LAKE	20K5	2			
			VIRGINIA LAKES	19L13M	5
JACK CREEK, LOWER	16H1M	10, 11			
JACK CREEK, UPPER	16H2A	10, 11	WARO CREEK	20K17M	2, 4
JACKS PEAK	16H4	10, 11	WARO MOUNTAIN #2	14K5	7
JAKES CREEK	14H1	9	WEBBER LAKE	20K2	2
			WEBBER PEAK	20K1	2
KALAMAZOO CREEK	14KB	7	WET MEADOWS LAKE	19L18a	3
KYLE CANYON	15N5	6	WHITE RIVER #1	15L1	7
			WILLOW FLAT	19L9	5
LAKE LUCILLE	20L4	2	WOLF CREEK	19L20a	3
LAMANCE CREEK	17H5	11, 12			



# INDEX TO NEVADA SNOW COURSES

## ( By Basins )

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
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### Snake River Basin

15H1MA	BEAR CREEK	31	46N	58E	7800
15H2	FOX CREEK	33	46N	58E	6800
15H13	GOAT CREEK	31	46N	60E	8800
15H15A	HUMMINGBIRD SPRINGS	6	45N	60E	8945
14H1	JAKES CREEK	6	42N	62E	7000
15H20	MERRITT MOUNTAIN	10	46N	54E	7000
15H14	POLE CREEK RANGER STATION	13	46N	59E	8330
15H18a	RED POINT	15	47N	61E	7940
15H3A	76 CREEK	6	44N	58E	7100
15H19a	STAG MTN.	29	41N	58E	7800

### Owyhee River

15H4MP	BIG BEND	30	45N	56E	6700
16H6a	COLUMBIA BASIN	31	44N	53E	6650
16H8a	FAWN CREEK	2	45N	52E	7000
15H5	GOLD CREEK	31	45N	56E	6600
16H1M	JACK CREEK, LOWER	18	42N	53E	6800
16H2A	JACK CREEK, UPPER	9	42N	53E	7250
16H4	JACKS PEAK	28	42N	53E	8420
16H5	LAUREL CRAW	20	45N	53E	6700
17G4a	LOUSE CANYON (OREG.)	27	40S	44E	6440
15H9MP	TAYLOR CANYON	35	39N	53E	6200

### Interior

#### Upper Humboldt River

15J17a	AMERICAN BEAUTY	32	31N	58E	7800
16H6a	COLUMBIA BASIN	31	44N	53E	6650
15J12A	CORRAL CANYON	27	28N	57E	8500
15J1MP	ODDSEY BASIN	28	35N	60E	8100
15J3	ORY CREEK	5	34N	60E	6500
15H7	FRY CANYON	31	43N	54E	6700
15J9MP	GREEN MOUNTAIN	23	29N	57E	8000
15J10	HARRISON PASS #1	9	28N	57E	6600
15J11	HARRISON PASS #2	16	28N	57E	7400
15J4	LAMOILLE #1	15	32N	58E	7100
15J5	LAMOILLE #2	14	32N	58E	7300
15J6M	LAMOILLE #3	24	32N	58E	7700
15J7	LAMOILLE #4	19	32N	59E	7700
15J8P	LAMOILLE #5	31	32N	59E	8700
15J18a	POLE CANYON	31	35N	61E	7140
15J16a	ROBINSON LAKE	23	33N	59E	9200
15H6MP	RODED FLAT	36	43N	53E	6800
15J2	RYAN RANCH	1	34N	59E	5800
15H8	TREMEWAN RANCH	9	39N	55E	5700
15H10P	TROUT CREEK, LOWER	28	37N	61E	6900
15H11A	TROUT CREEK, UPPER	4	36N	61E	8500

#### Lower Humboldt River

17K1	BIG CREEK CAMP GROUND	10	17N	43E	6600
17K2	BIG CREEK MINE	23	17N	43E	7600
17K3	BIG CREEK, UPPER	26	17N	43E	8000
17H2	BUCKSKIN, LOWER	25	45N	39E	6700
17H1	BUCKSKIN, UPPER	11	45N	39E	8200
17J2	GOLCONDA #2	22	35N	39E	6000
17H4	GRANITE PEAK	22	44N	39E	7800
17H5	LANANCE CREEK	13	42N	38E	6000
17L1	LOWER CORRAL	12	11N	40E	7500
17H3	MARTIN CREEK	18	44N	40E	6700
16H3AP	MIDAS	18	39N	46E	7200
18H7	TOE JAM	29	40N	50E	7700
17L2	UPPER CORRAL	20	11N	41E	8500

#### Eastern Nevada

14L1	BAKER #1	29	13N	69E	7950
14L2	BAKER #2	30	13N	69E	8950
14L3	BAKER #3	25	13N	68E	9250
14K2	BERRY CREEK	26	17N	65E	9100
14K1	BIRO CREEK	34	19N	65E	7500
15J13	CAVE CREEK	25	27N	57E	7500
15J14	HAGER CANYON	34	27N	57E	8000
15J15	HOLE-IN-MTN	6	35N	61E	7900
14K8	KALAMAZOO CREEK	34	20N	65E	7400
14K3	MURRAY SUMMIT	25	16N	62E	7250
15K1	ROBINSON SUMMIT	34	18N	61E	7600
14K7	SILVER CREEK #2	30	16N	69E	8000
14K5	WARD MOUNTAIN #2	25	15N	62E	7875

#### Central Great Basin

18M2	CAMPITO MTN (CAL.)	19	5S	35E	10200
18M5a	CHICTOVICH FLAT	32	2S	34E	10500
15N2	CLARK CANYON	8	19S	56E	9000
18M1	MONTGOMERY PASS	4	11N	33E	7100
18M3a	PINCHOT CREEK	28	1N	33E	9300
18M4a	PIUTE PASS (CAL.)	33	4S	33E	11700
15N1	TROUGH SPRINGS	23	18S	55E	8500

#### Northern Great Basin

19H1	BALD MOUNTAIN	17	45N	21E	6720
20H5	BARBER CREEK	23	39N	16E	6500
20H6	CEDAR PASS	12	43N	14E	7100
18G6a	ONENIO CREEK (OREG.)	14	41S	34E	6000
18H1	OLASATER PEAK	8	47N	34E	6500
20H3a	DISMAL SWAMP (CAL.)	31	8N	22E	7000
20H7	EAGLE PEAK	35	40N	15E	7200
19H3	49-MTN	7	42N	19E	6000
19H2	HAYS CANYON	1	39N	18E	6400
19H4a	LITTLE BALLY MTN	8	45N	19E	6000
17G5a	OREGON CANYON (OREG.)	9	40S	40E	7240
17H6a	QUINN RIDGE	9	47N	41E	6300
20H4	RESERVATION CREEK	12	46N	15E	5900
18G5a	TROUT CREEK (OREG.)	10	41S	38E	7800

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
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### Lake Tahoe

19L14	OAGGETTS PASS	19	13N	19E	7350
20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7450
19L2	FREEL BENCH (CAL.)	36	12N	18E	7300
19K6	GLENBROOK #2	13	14N	18E	6900
19L3M	HAGANS MEADOW (CAL.)	36	12N	18E	8000
20L4	LAKE LUCILLE (CAL.)	28	12N	17E	8200
19K4M	MARLETTE LAKE	13	15N	18E	8000
20L3	RICHARDSONS #2 (CAL.)	6	12N	18E	6500
20L1	RUBICON #1 (CAL.)	6	13N	17E	8100
20L2	RUBICON #2 (CAL.)	6	13N	17E	7500
20K16	TAHOE CITY (CAL.)	6	15N	17E	6250
19L1	UPPER TRUCKEE (CAL.)	21	12N	18E	6400
20K17M	WARD CREEK (CAL.)	21	15N	16E	7000

### Truckee River

20K14	BOCA #2 (CAL.)	28	18N	17E	5900
20K22	BRICKWAY SUMMIT (CAL.)	3	17N	16E	7100
29K21	ODNNER PARK #2 (CAL.)	18	17N	16E	6000
20K10*	ODNNER SUMMIT (CAL.)	25	17N	14E	6900
20K7*	FORDYCE LAKE (CAL.)	34	18N	13E	6500
20K8	FURNACE FLAT (CAL.)	10	17N	13E	6700
20K4M	INDEPENDENCE CAMP (CAL.)	34	19N	15E	7000
20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E	6500
20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E	8450
19K3	LITTLE VALLEY	17	16N	19E	6300
19K2	MT. ROSE	7	17N	19E	9000
20K6	SAGE HEN CREEK (CAL.)	7	18N	16E	6500
20K19	SOULAW VALLEY #2 (CAL.)	6	15N	16E	7500
20K13M	TRUCKEE #2 (CAL.)	22	17N	16E	6400
20K2	WEBBER LAKE (CAL.)	29	19N	14E	7000
20K1*	WEBBER PEAK (CAL.)	30	19N	14E	8000

### Carson River

19L5	BLUE LAKES (CAL.)	30	9N	19E	8000
19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E	8600
19K5	CLEAR CREEK	6	14N	19E	7300
19L19a	EBBETS PASS (CAL.)	17	8N	20E	8700
19L6A	POISON FLAT (CAL.)	25	8N	21E	7900
19L16a	UPPER FISH VALLEY (CAL.)	18	7N	22E	8050
19L20a	WOLF CREEK	35	8N	20E	8000
19L18a	WET MEADOWS LAKE (CAL.)	26	9N	19E	8100

### Walker River

19L11	BUCKEYE FORKS (CAL.)	20	4N	23E	8500
19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7900
19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400
18L1	LAPON MEADOW	36	8N	28E	9000
19L8	LEAVITT MEADOWS (CAL.)	4	5N	22E	7200
19L17a	LOBOELL LAKE	20	7N	24E	9200
18L2	MT. GRANT	23	8N	28E	9000
19L7M	SODRA PASS (CAL.)	1	5N	21E	8800
19M1*	TIOGA PASS (CAL.)	30	1N	25E	9900
19L13M	VIRGINIA LAKES (CAL.)	5	2N	25E	9500
19L9	WILLOW FLAT (CAL.)	21	5N	23E	8250

### Colorado

#### Lower Colorado River

15N5	KYLE CANYON	27	19S	56E	8200
15N4	LEE CANYON #1	10	19S	56E	8400
15N3	LEE CANYON #2	9	19S	56E	9200
15N8	LEE CANYON #3	10	19S	56E	8500
14M1	MATHEW CANYON	10	6S	70E	6000
14M2	PINE CANYON	23	6S	69E	6200
15N7	RAINBOW CANYON #2	6	20S	57E	8100
15L1	WHITE RIVER #1	31	13N	59E	7400

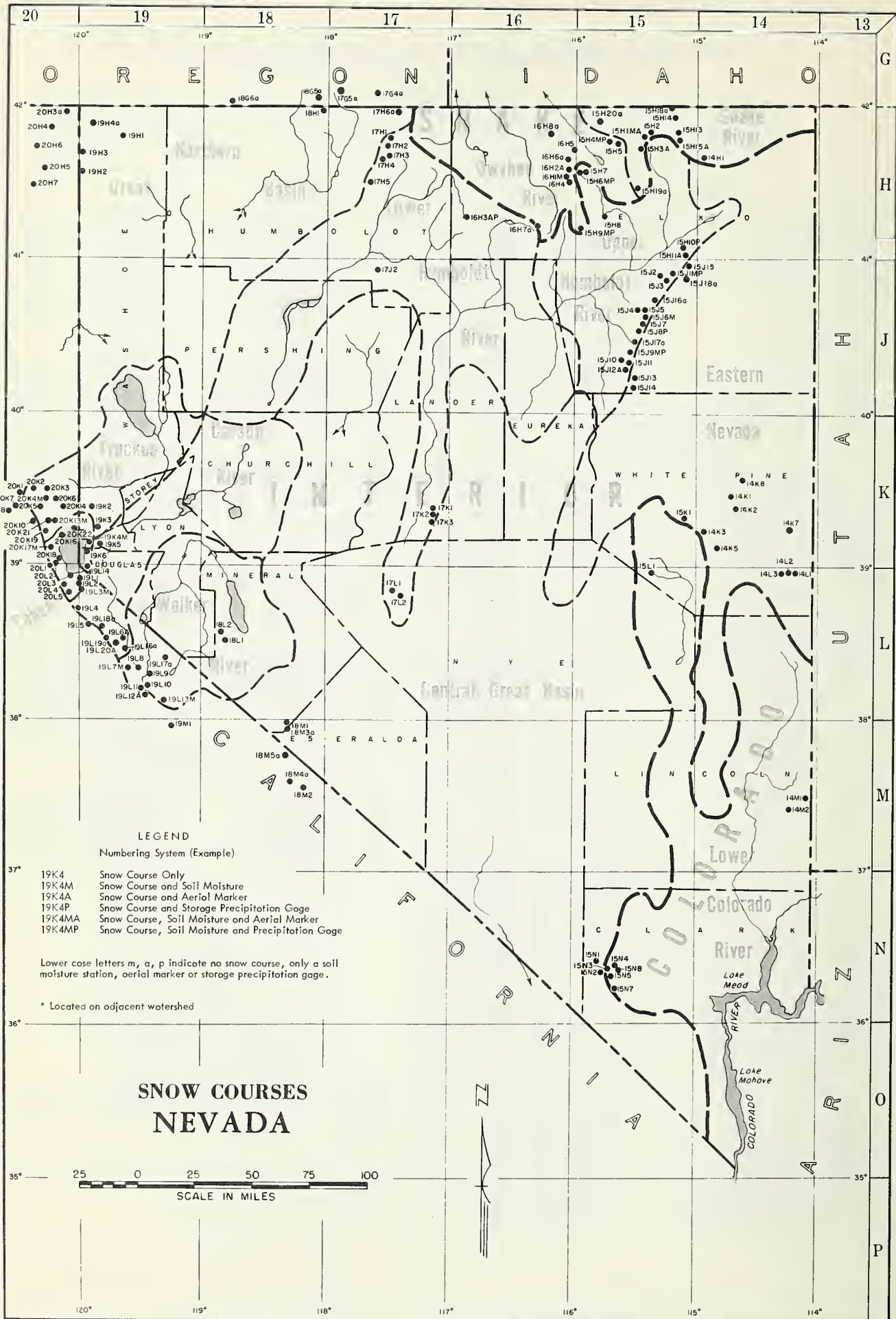
### LEGEND

NUMBERING SYSTEM (EXAMPLE)

19K4	SNOW COURSE ONLY
19K4M	SNOW COURSE AND SOIL MOISTURE
19K4A	SNOW COURSE AND AERIAL MARKER
19K4P	SNOW COURSE AND STORAGE PRECIPITATION GAGE
19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
19K4MP	SNOW COURSE, SOIL MOISTURE AND PRECIPITATION GAGE

LOWER CASE LETTERS m, a, p, INDICATE NO SNOW COURSE, ONLY A SOIL MOISTURE STATION, AERIAL MARKER OR STORAGE PRECIPITATION GAGE.

\* LOCATED ON ADJACENT WATERSHED



WATER SUPPLY OUTLOOK  
FOR NEVADA

March 1, 1966

\*\*\*\*\*  
\* In general most Nevada water users will have an adequate water supply \*  
\* during the 1966 irrigation season. Nevada's April-July 1966 runoff \*  
\* will range from 55-110 percent of average. Limited shortages will \*  
\* occur in some areas served by direct diversion without reservoired \*  
\* water to augment the water supply. Above normal March-May precipitation \*  
\* can improve the outlook in this respect. Reservoir storage is good to \*  
\* excellent. Soil moisture conditions under the mountain snowpack are \*  
\* good to excellent. \*  
\*\*\*\*\*

STREAMFLOW FORECASTS

East slope Sierra streams are forecast to flow from 100-107 percent of average during April-July 1966. Lake Tahoe is expected to rise to its upper decreed limit of 6229.1.

April-July 1966 streamflow in the Humboldt-Owyhee ranges from 53-65 percent on north side tributaries to 88-95 percent from the Ruby Mountains. Central and southern Nevada streamflow will range from fair to good.

Unless March-May precipitation is above normal many smaller streams will fall off sharply during mid to late summer.

RESERVOIR STORAGE

Currently Nevada's seven principal reservoirs exclusive of Lakes Mead and Mohave hold 1,039,000 acre-feet of stored water. This is 134 percent of the March 1 average and 76 percent of capacity. This water will prove to be most useful in augmenting streamflow which may drop off in some areas in late summer. Many reservoirs will carry over at least an average quantity of water into the 1967 water-year.

SOIL MOISTURE CONDITIONS

The moisture content of mountain soils in northern and western Nevada is good to excellent. Range forage growth during the spring should likewise be good.

Soils in southern and south central Nevada are in a better moisture condition than is usual. Range forage growth will reflect this condition.

SNOW COVER

February 1966 snowfall following the pattern of the latter half of January was below average in most of Nevada's mountain watersheds. As a result the March 1, 1966 snowpack ranges from slightly above average in the Charleston Mountains and east slope Sierra to well below average in the northern tributaries to the Humboldt River. The snow cover pattern is varied with many low to median elevation snow courses having better (percentage) snowpack than the nearby high elevation snow courses.





# NEVADA STREAMFLOW FORECASTS - MARCH 1, 1966

The following summarized runoff forecasts are based principally on mountain snow cover and the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts.

Basin and Forecast Stream	April-July, Streamflow Thousands Acre-Feet				
	Forecast 1966	15-Yr. Av. 1948-62	1966 as % of 15-Yr.Av.	Measured Runoff 1965	1964
<u>TRUCKEE RIVER</u>					
Little Truckee River above Boca, California <sup>3</sup>	96	78	(**) 123 (101)	129	63
Truckee River at Farad, Calif. <sup>2,3</sup>	284	269	106 (101)	320	180
Lake Tahoe <sup>1,3</sup>	1.50	1.47	102 (100)	1.76	0.90
<u>CARSON RIVER</u>					
East Carson nr. Gardnerville, Nev.	185	179	103	235	113
West Carson at Woodfords, Calif.	55	52	106	72	35
Carson River nr. Carson City, Nev.	180	169	107	243	87
Carson River at Ft. Churchill, Nev.	165	155	106	218	70
East Carson nr. Gardnerville, Nev. (Date of 200 c.f.s. flow)	7/22	7/20	--	8/27	7/9
<u>WALKER RIVER</u>					
East Walker nr. Bridgeport, Calif. <sup>4</sup>	62	57	107	88	21
West Walker below E. Fork nr. Coleville, Calif.	150	140	107	186	86
<u>COLORADO RIVER</u>					
Virgin River at Virgin, Utah <sup>5</sup>	57	43	133	NA	37

(Continued)

NEVADA STREAMFLOW FORECASTS - MARCH 1, 1966 (Continued)

Basin and Forecast Stream	April-July, Streamflow Thousands Acre Feet				
	Forecast 1966	15-Yr. Av. 1948-62	1966 as % of 15-Yr.Av.	Measured Runoff 1965	1964
<u>HUMBOLDT RIVER</u>					
Lamoille Creek nr. Lamoille, Nev.	23	26	88	34	33
So. Fk. Humboldt nr. Elko, Nev.	57	60	95	93	88
Marys River above Hot Springs, Nev.	20	34	59	52	30
North Fk. Humboldt at Devils Gate, Nev.	18	34	53	43	33
Humboldt River at Palisade, Nev.	140	173	81	247	271
Humboldt River at Comus, Nev.	95	127	75	211	207
Martin Creek nr. Paradise, Nev.	11	17	65	19	12
<u>SNAKE RIVER</u>					
Owyhee River nr. Owyhee, Nev. <sup>6</sup>	45	74	61	97	78
Owyhee River nr. Gold Creek, Nev. <sup>6</sup>	14	22	64	28	21
Salmon Falls Creek nr. San Jacinto, Nevada <sup>7</sup>	65 63	78 76	83 83	106 98	102 98
<u>SURPRISE VALLEY</u>					
Bidwell Cr. nr. Ft. Bidwell, Cal. <sup>8</sup>	9.3	14.3*	65	NA	--
Mill Cr. nr. Cedarville, Calif. <sup>8</sup>	3.6	5.5	65	NA	5.8
Deep Cr. nr. Cedarville, Calif. <sup>8</sup>	2.4	3.8	63	NA	3.9
Eagle Cr. nr. Eagleville, Calif. <sup>8</sup>	3.7	5.2	71	NA	5.8

1. Maximum rise, in feet, from April 1, assuming gates closed.
  2. Exclusive of Tahoe and corrected for storage in Boca Reservoir.
  3. Forecast issued by Truckee Basin Water Committee, composed of Truckee-Carson Irrigation District, Sierra Pacific Power Company, and Washoe County Water Conservation District.
  4. For period April through August corrected for storage in Bridgeport Reservoir.
  5. April-June forecast; issued by SCS, Salt Lake City, Utah.
  6. Corrected for storage in Wild Horse Reservoir.
  7. March-Sept. and March-July forecasts respectively; issued by SCS, Boise, Id.
  8. April-Sept. forecast; coordinated forecast of SCS and California Dept. of Water Resources, Snow Survey Units.
- \* Adjusted average.  
 \*\* Number in parenthesis is forecast as percent of long term average  
 NA Not Available



# STATUS OF RESERVOIR STORAGE

MARCH 1, 1966

Basin and Stream	Reservoir	Usable Capacity (1000 AF)	USABLE STORAGE - 1000 ACRE FEET			
			1966	1965	1964	March 1 15-Yr. Av. 1948-62
Owyhee	Wild Horse	33	17	9*	25	14
Lower Humboldt	Rye Patch	179	179	139	79	63
Colorado	Mohave	1,810	1,699	1,683	1,674	1,357**
Colorado	Mead	27,217	15,589	11,361	15,090	17,037
Tahoe	Tahoe	732	540	486	350	395
Truckee	Boca	41	2	3	6	6
Truckee	Prosser***	30	10	9	10	--
Carson	Lahontan	286	213	235	225	186
West Walker	Topaz	59	54	45	50	34
East Walker	Bridgeport	42	34	30	42	28

\* Reservoir drained during summer to effect repairs to dam.

\*\* 1950-62

\*\*\* Flood control use allocation of 20,000 A.F. between November 1 and April 10; storage began January 30, 1963.

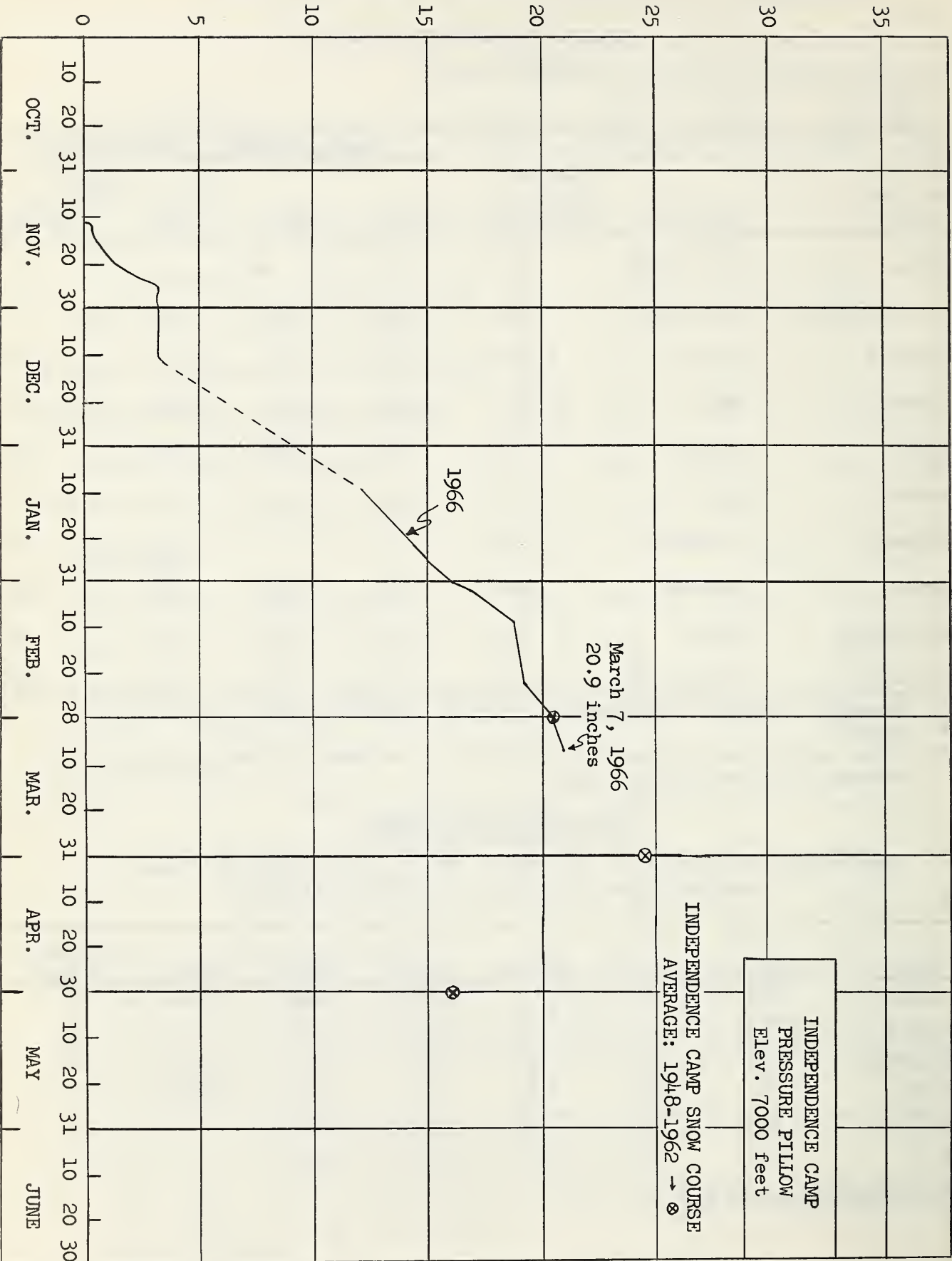
## TOTAL RESERVOIR STORAGE

Developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1000's Acre Feet

Month	1960-61	1961-62	1962-63	1963-64	1964-65	1965-66	Average 1948-62
October 1	263	65	345	707	498	1144	572
January 1	206	57	419	756	785	1112	622
February 1	218	73	558	784	911	1056	670
March 1	254	210	696	777	948	1039	725
April 1	285	318	769	775	1008		776
May 1	300	499	844	814	1104		834

TOTAL USABLE CAPACITY 1,372

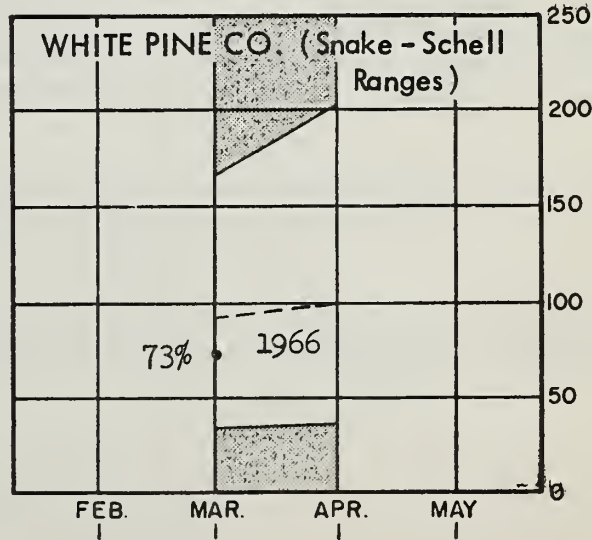
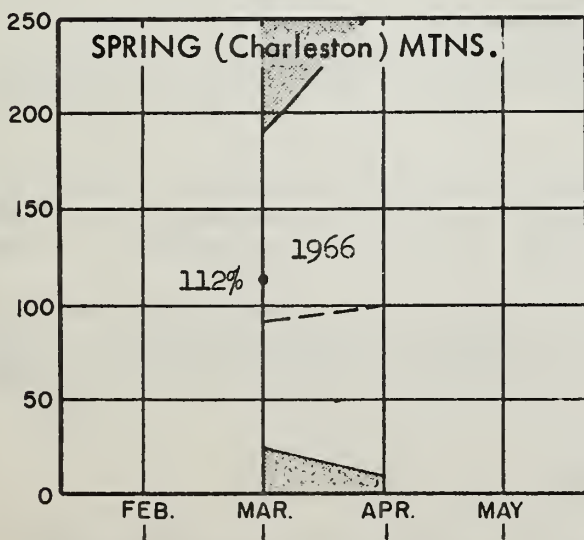
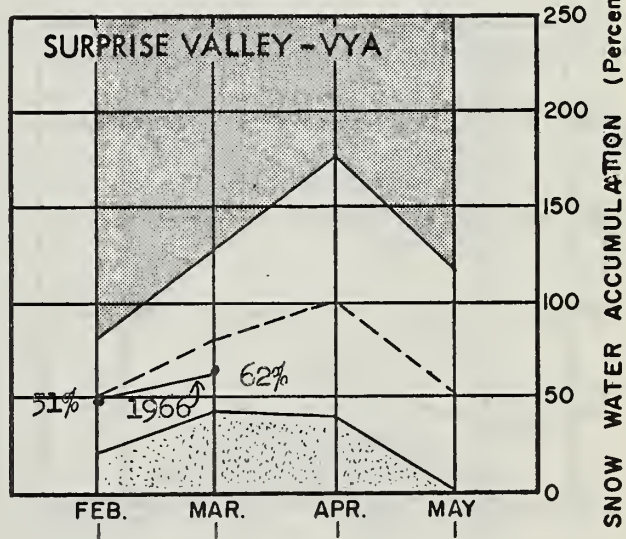
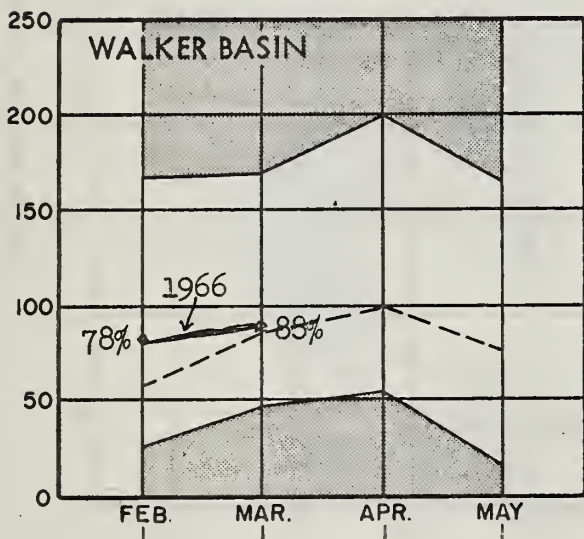
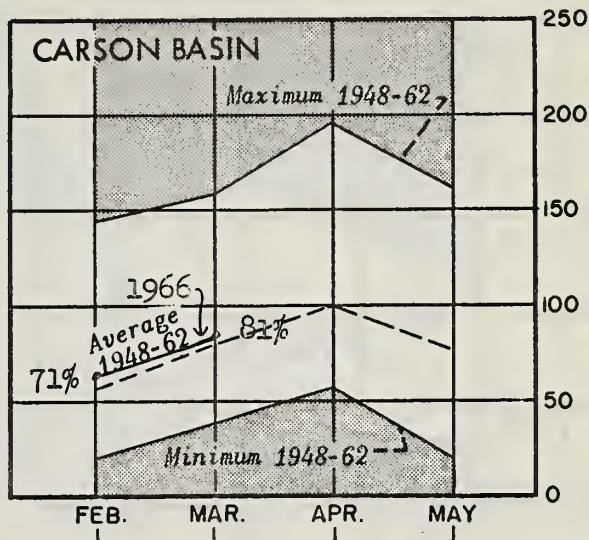
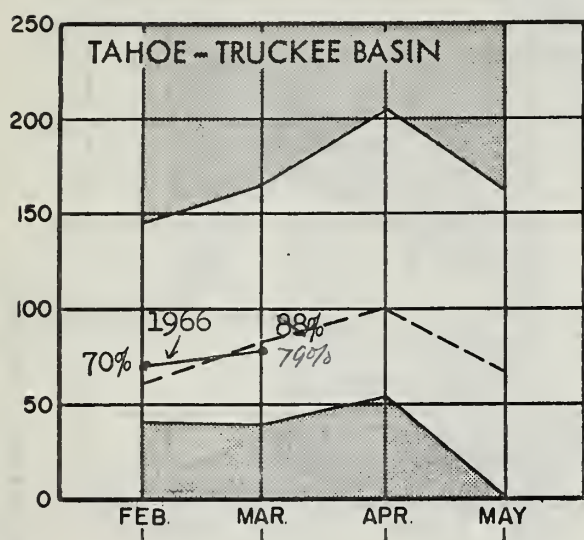
# INCHES OF WATER



# SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

As of March 1, 1966

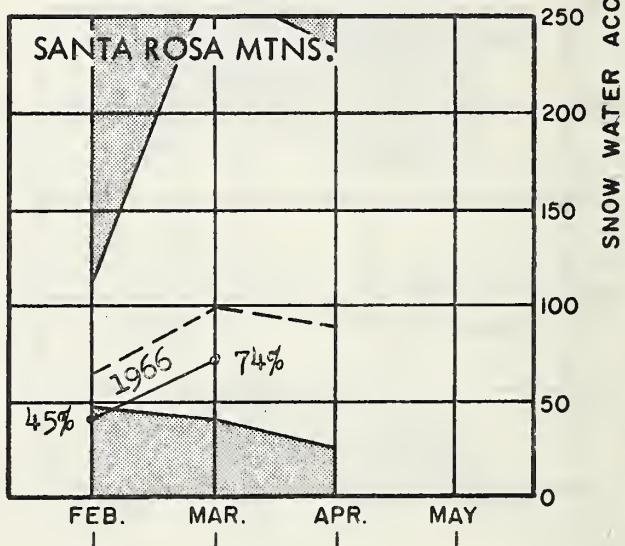
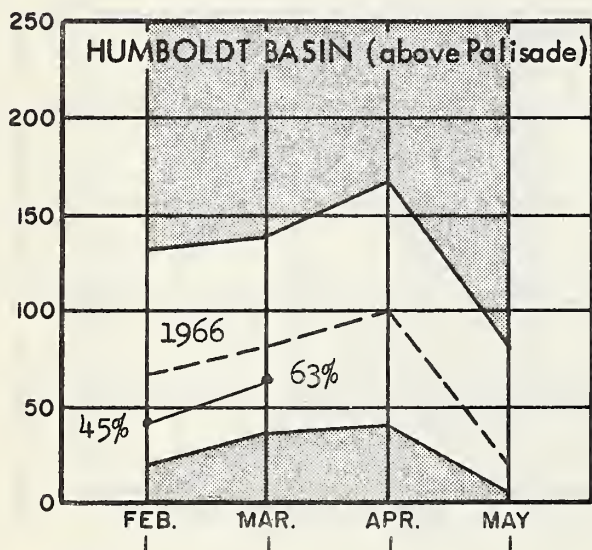
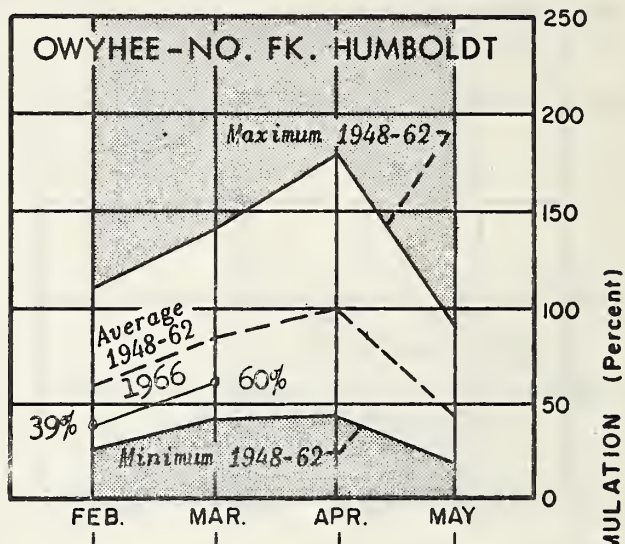
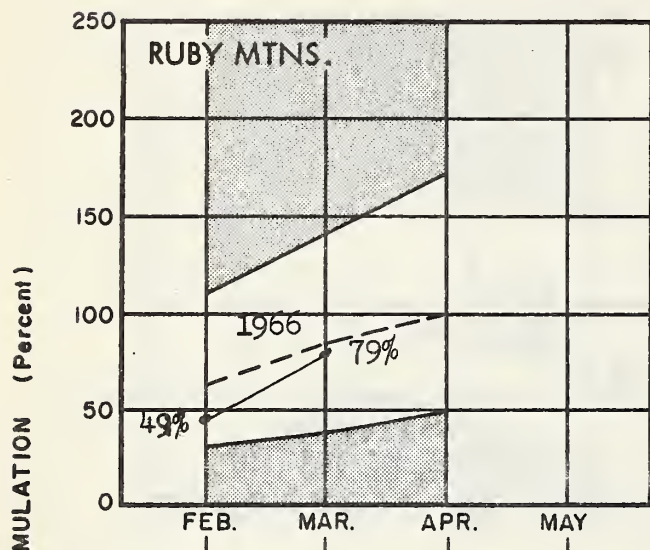




# SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

As of March 1, 1966



# WATER SUPPLY OUTLOOK

NORTH TRUCKEE, FERNLEY & WASHOE VALLEY S.C.D's.  
WASHOE, STOREY & LYON COUNTIES, NEVADA



March 1, 1966

February 1966 snowfall in the Lake Tahoe-Truckee basins was below average. Due to the heavy snowpack which accumulated in late fall-early winter the basin snowpack is almost normal at 94 percent of the March 1 average. Soil moisture conditions are good. Lake Tahoe held 540,000 acre-feet on March 1, 1966, and was at 6,227.48 feet above sea level.

The Truckee Basin Water Committee forecasts that it will be possible to fill Lake Tahoe to its maximum elevation of 6,229.1 feet above sea level. Lake rise from April 1 assuming gates closed is forecast at 1.50 feet.

The Committee forecast April-July 1966 flow of Truckee at Farad at 284,000 acre-feet and Little Truckee above Boca at 96,000 acre-feet. Donner Lake, Independence Lake, and Boca Reservoir will fill.



## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Lake Tahoe	732	540	486	395
Boca	41	2	3	6
Prosser <u>b/</u>	29	10	9	--
<u>b/</u> Flood control use allocation 20,000 a.f. btwn. 11/1 to 4/10				

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1948-62 adjusted average.

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. Little Truckee River above Boca	96	129	78
2. Truckee River at Farad, Calif.	284	320	269
3. Lake Tahoe rise (In Ft. from Apr. 1 assuming gates closed)	1.50	1.76	1.47
Note: Above forecasts prepared by Truckee Basin Water Committee			

## SNOW

March 1, 1966

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
LAKE TAHOE						
Daggetts Pass	7350	2/25	35	11.3	10.5	11.2*
Echo Summit	7500	3/2	96	28.9	45.0	29.8
Freel Bench	7300	2/28	34	12.2	15.6	12.0*
Glenbrook #2	6900	2/27	37	11.7	11.6	11.6*
Hagans Meadow	8000	2/28	45	15.1	21.7	16.9*
Little Valley	6300	2/18	31	11.9	7.6	11.6*
Marlette Lake	8000	2/25	57	20.1	19.0	18.4
Richardsons #2	6500	2/27	47	15.7	16.4	17.6*
Rubicon #1	8100	3/5	114	40.0	53.1	40.4*
Rubicon #2	7500	3/5	74	28.5	34.9	24.7*
Tahoe City	6250	3/1	34	12.2	11.6	11.8
Upper Truckee	6400	2/28	35	11.6	11.8	10.0*
Ward Creek	7000	3/1	93	35.6	48.3	38.6*
TRUCKEE RIVER						
Boca #2	5900	3/2	27	7.0	9.3	7.2*
Brockway Summit	7100	3/3	49	14.8	19.1	--
Donner Park #2	6000	3/2	63	18.3	16.0	17.5*
Donner Summit	6900	3/2	94	34.8	39.2	33.9
Fordyce Lake	6500	2/28	90	36.9a	--	33.8*
Furnace Flat	6600	2/28	108	41.4a	--	39.3*
Independence Camp	7000	3/2	68	22.7	25.6	20.5*
Independence Creek	6500	3/2	50	14.4	16.4	13.7*
Independence Lake	8450	3/2	91	32.2	50.5	33.3*
Sage Hen Creek	6500	3/2	58	17.6	18.8	17.4*
Squaw Valley #2	7500	3/3	109	39.7	54.6	44.9*
Truckee #2	6400	3/3	48	14.8	18.4	16.7*

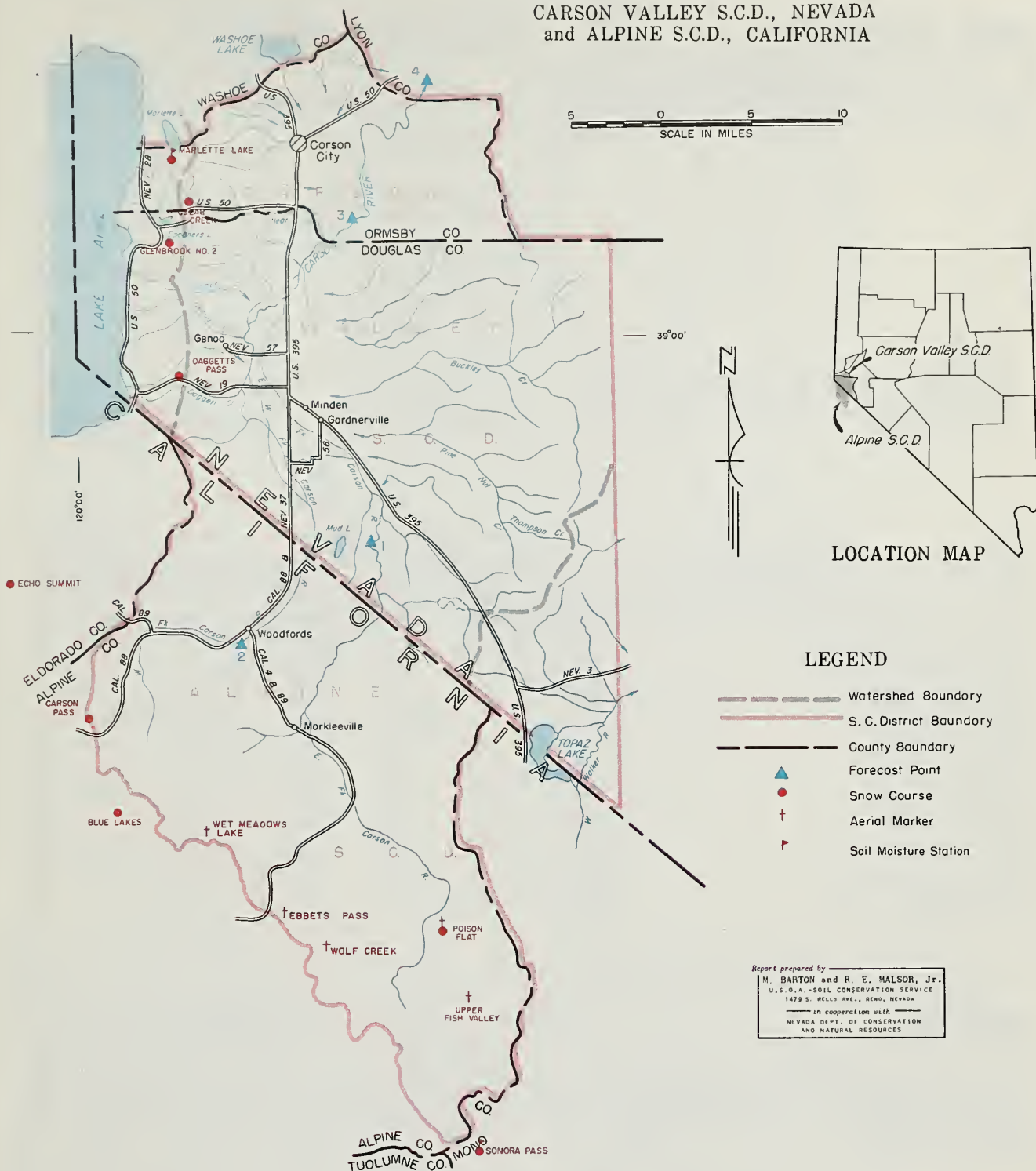
## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Hagans Meadow	8000	36	3.65	Not Available		3.6	2.9
Independence Camp	7000	34	6.10	3/2	6.1	5.9	5.2
Marlette Lake	8000	50	3.70	2/25	3.1	3.4	3.6
Truckee #2	6400	18	3.65	3/2	2.9	3.7	2.7
Ward Creek	7000	49	5.80	3/1	5.8	5.8	4.8



# WATER SUPPLY OUTLOOK

CARSON VALLEY S.C.D., NEVADA  
and ALPINE S.C.D., CALIFORNIA



March 1, 1966

Carson Valley water users will have an adequate irrigation season water supply this spring and summer. However late season streamflow may fall below required amounts during later summer. The mountain snowpack ranges from average to near average. In aggregate the snowpack is 100 percent of the March 1 average. Percentagewise low elevation snow is better than high elevation snow.

Plate 3

## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Lahontan	286	213	235	186

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1948-62 adjusted average.

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. East Carson nr. Gardnerville	185	235	179
2. West Carson at Woodfords, Calif.	55	72	52
3. Carson River nr. Carson City	180	243	169
4. Carson River at Ft. Churchill	165	218	155
Date 200 cfs flow E. Carson nr. Gardnerville	7/22	8/27	7/20

## SNOW

March 1, 1966

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Carson Pass, Upper	8600	2/25	76	27.8	46.0	28.2
Clear Creek	7300	2/18	39	13.1	13.6	12.9*
Daggetts Pass	7350	2/25	35	11.3	10.5	11.2*
Ebbetts Pass	8700	Report Delayed			32.2a/	--
Echo Summit	7500	3/2	96	28.9	45.0	29.8
Glenbrook #2	6900	2/27	37	11.7	11.6	11.6*
Marlette Lake	8000	2/25	57	20.1	19.0	18.4
Poison Flat	7900	3/4	50	14.0a	14.4a/	--
Sonora Pass	8800	2/24	63	21.0	27.9	20.2*
Upper Fish Valley	8050	3/4	63	17.6a	16.8a/	--
Wet Meadow Lake	8100	3/4	35	24.5a	--	--
Wolf Creek	8000	Report Delayed			37.8a/	--

## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Marlette Lake	8000	50	3.70	2/25	3.1	3.4	3.6
Sonora Pass	8800	48	8.30	2/24	8.3	8.3	8.1

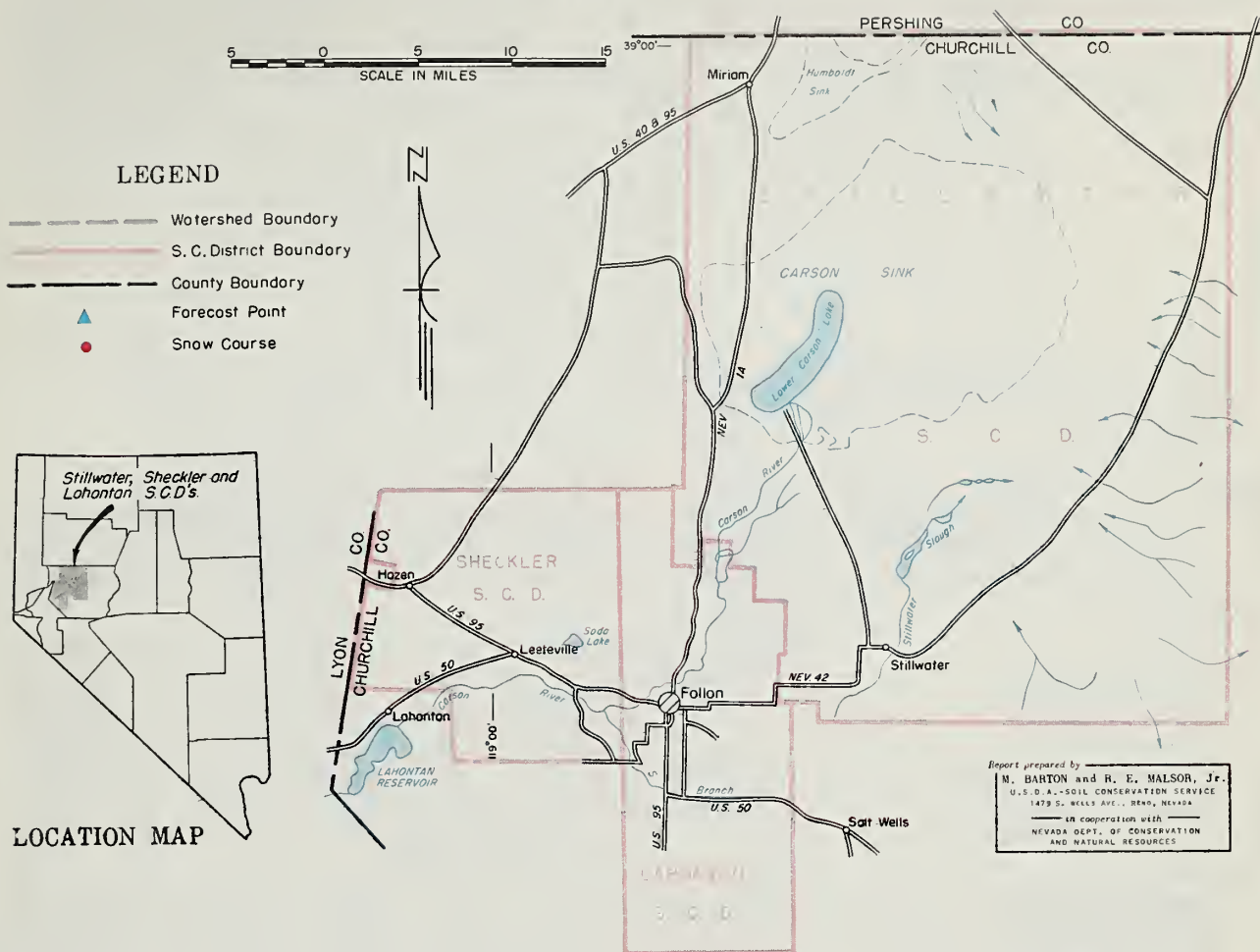
East Fork Carson is forecast to flow 185,000 acre-feet during April-July 1966. This is 103 percent of average. Date of 200 cfs flow on the East Fork Carson is July 22 which is only two days later than the usual average.

West Fork Carson is predicted at 55,000 acre-feet or 106 percent of the April-July average. The down stream main river station at Carson City and Fort Churchill are forecast to flow 180,000 (107%) and 165,000 (106%) acre-feet this coming irrigation season.

Lahontan held 213,000 acre-feet on March 1, 1966. Mountain soils are well wetted and will absorb very little snowmelt water.

# WATER SUPPLY OUTLOOK

STILLWATER, SHECKLER, LAHONTAN S.C.D.'s. & VICINITY  
CHURCHILL COUNTY, NEVADA



March 1, 1966

Water users in the Fallon area will have adequate irrigation water supplies in 1966. Reservoir storage is very good with the March 1, 1966 useable contents of Lahontan at 213,000 acre-feet (115% of average) and Lake Tahoe at 540,000 acre-feet (137% of average.)

Carson at Fort Churchill is forecast to flow 165,000 acre-feet during April-July 1966 which is 106 percent of average. During this same period Truckee at Farad is predicted to flow 284,000 acre-feet or 106 percent of the 15-year 1948-62 April-July average. Lake Tahoe is expected to rise 1.50 feet from April 1, assuming gates closed. This rise coupled with a normal March lake rise would bring the lake to 6229.1 feet above sea level, its maximum elevation.

Tahoe-Truckee-Carson March 1 snowpack is 93 to 100 percent of average. Mountain soils are wet.

Plate 4



## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Lake Tahoe	732	540	486	395
Lahontan	286	213	235	186

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1948-62 adjusted average.

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
Truckee River at Farad, Calif.**	284	320	269
Lake Tahoe rise** (In Ft. from April 1 assuming gates closed)	1.50	1.76	1.47
Carson River at Fort Churchill	165	218	155
** Forecasts prepared by Truckee Basin Water Committee			

## SNOW

March 1, 1966

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
TRUCKEE						
Boca #2	5900	3/2	27	7.0	9.3	7.2*
Donner Summit	6900	3/2	94	34.8	39.2	33.9
Fordyce Lake	6500	2/28	90	36.9a	--	33.8*
Furnace Flat	6600	2/28	108	41.4a	--	39.3*
Independence Camp	7000	3/2	68	22.7	25.6	20.5*
Sage Hen Creek	6500	3/2	58	17.6	18.8	17.4*
TAHOE						
Daggetts Pass	7350	2/25	35	11.3	10.5	11.2*
Echo Summit	7500	3/2	96	28.9	45.0	29.8
Hagans Meadow	8100	2/28	45	15.1	21.7	16.9*
Tahoe City	6250	3/1	34	12.2	11.6	11.8
Ward Creek	7000	3/1	93	35.6	48.3	38.6*
CARSON RIVER						
Carson Pass, Upper	8600	2/25	76	27.8	46.0	28.2
Clear Creek	7300	2/18	39	13.1	13.6	12.9*
Sonora Pass	8800	2/24	63	21.0	27.9	20.2*

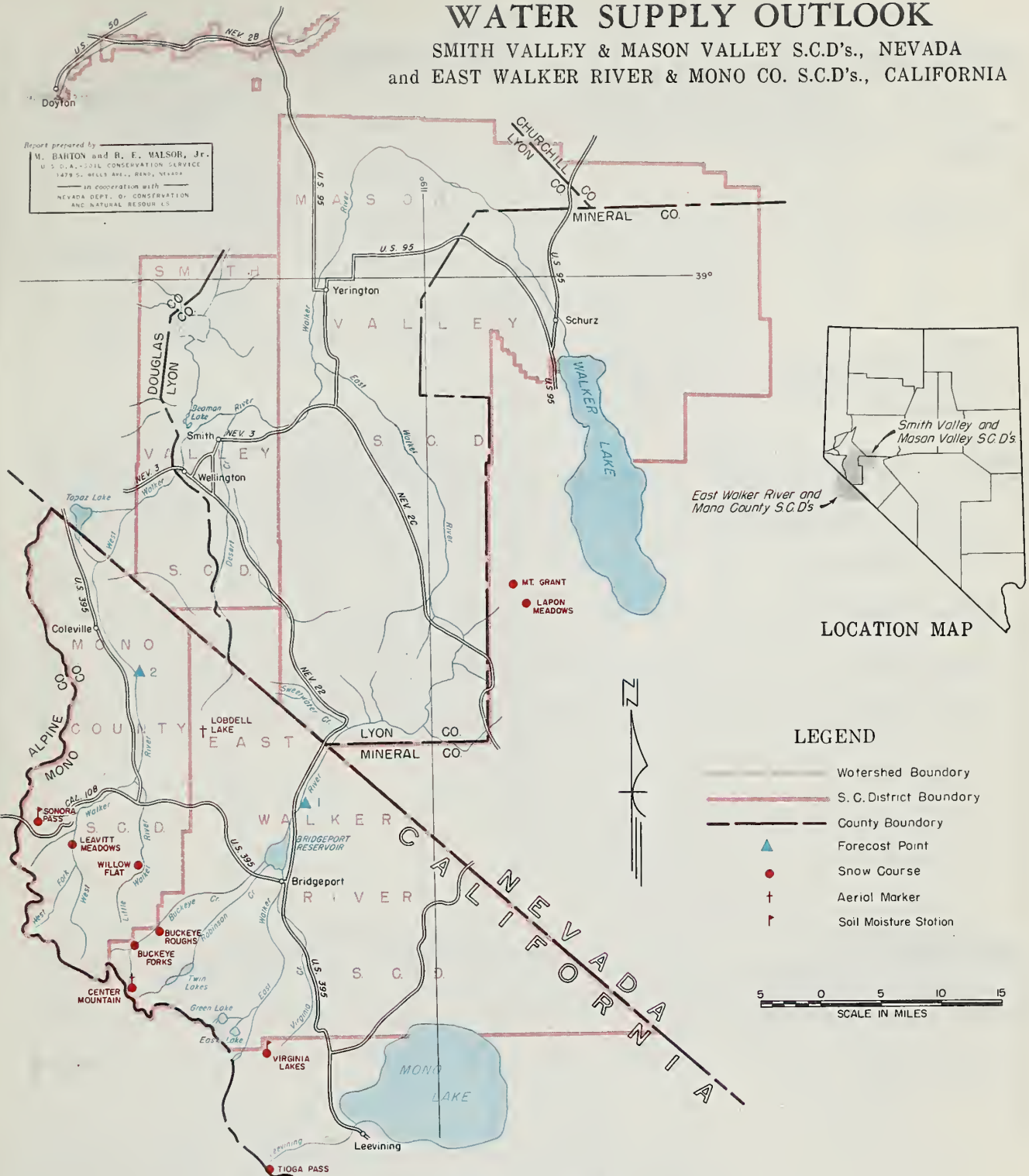
## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Hagans Meadow	8000	36	3.65	Not Available	3.6	2.9	
Independence Camp	7000	34	6.10	3/2	6.1	5.9	5.2
Marlette Lake	8000	50	3.70	2/25	3.1	3.4	3.6
Sonora Pass	8800	48	8.30	2/24	8.3	8.3	8.1
Truckee #2	6400	18	3.65	3/2	2.9	3.7	2.7
Ward Creek	7000	49	5.80	3/1	5.8	5.8	4.8

# WATER SUPPLY OUTLOOK

SMITH VALLEY & MASON VALLEY S.C.D's., NEVADA  
and EAST WALKER RIVER & MONO CO. S.C.D's., CALIFORNIA

Report prepared by  
M. BANTON and R. E. MALSOR, Jr.  
U. S. S. A. - SOIL CONSERVATION SERVICE  
1479 S. HILLS AVE., RENO, NEVADA  
in cooperation with  
NEVADA DEPT. OF CONSERVATION  
AND NATURAL RESOURCES



March 1, 1966

Water users in Smith and Mason Valleys will have adequate irrigation water this coming spring and summer. Although February snowfall was below average Walker River snow courses range from slightly below average to slightly above average due to the heavy early season snowfall. Topaz with 54,000 acre-feet and Bridgeport with 34,000 acre-feet are well above average for this date.

The East Walker near Bridgeport is forecast to flow 62,000 acre-feet during April-August 1966 or 107% of average. During April-July 1966 the West Walker near Coleville should flow 150,000 acre-feet (107% average). Mountain soil moisture is good.

Plate 5

## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Topaz	59	54	45	34
Bridgeport	42	34	30	28

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1948-62 adjusted average.

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. East Walker nr. Bridgeport, Cal.**	62	88	57
2. West Walker below E. Fk. nr. Colville, Calif.	150	186	140

\*\* Apr-Aug. runoff corrected for change in Bridgeport Reservoir.

## SNOW

March 1, 1966

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
					LAST YEAR	AVERAGE
NAME	ELEVATION					
Center Mountain	9400	3/4	94	30.0a	46.4a	--
Lobdell Lake	9200	3/4	46	14.7a	16.8a	--
Sonora Pass	8800	2/24	63	21.0	27.9	20.2*
Virginia Lakes	9500	2/24	48	15.2	18.3	15.9*

## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Sonora Pass	8800	48	8.30	2/24	8.3	8.3	8.1



# WATER SUPPLY OUTLOOK

## CHURCHILL, CLARK, ESMERALDA, EUREKA, LANDER, LINCOLN, MINERAL and NYE COUNTIES, NEVADA

Report prepared by  
M. HUTTON and R. E. MALSON, Jr.  
U.S. SOIL CONSERVATION SERVICE  
1479 MILL AVENUE, RENO, NEVADA  
in cooperation with  
NEVADA DEPT. OF CONSERVATION  
AND NATURAL RESOURCES

Central and  
Southern Nevada

### LOCATION MAP

### LEGEND

- Watershed Boundary
- S.C. District Boundary
- County Boundary
- ▲ Forecast Point
- Snow Course
- † Aerial Snow Depth Gage

20 0 20 40 60  
SCALE IN MILES

March 1, 1966

Southern Nevada snowpack is near average to above average this year. Streamflow as well as recharge to the groundwater basins will be good in this area. The Virgin River at Virgin, Utah is forecast to flow 57,000 acre-feet or 132 percent of average.

Groundwater recharge to Vegas Valley will be excellent this year due to a 109 percent to 137 percent of average snowpack in the Spring Mountains. Fish Lake Valley will have an average recharge. Streamflow in the Austin, Tonopah, and Meadow Valley SCD's will near average.

## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Mohave	1810	1699	1683	1357**
Mead	27220	15589	11361	17037
** Storage began in 1950				

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1948-62 adjusted average.

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST		MEASURED	
	THIS YEAR	LAST YEAR	AVERAGE	
Virgin at Virgin, Utah	57	NA	43	
April-June forecast, by SCS, Salt Lake City, Utah				

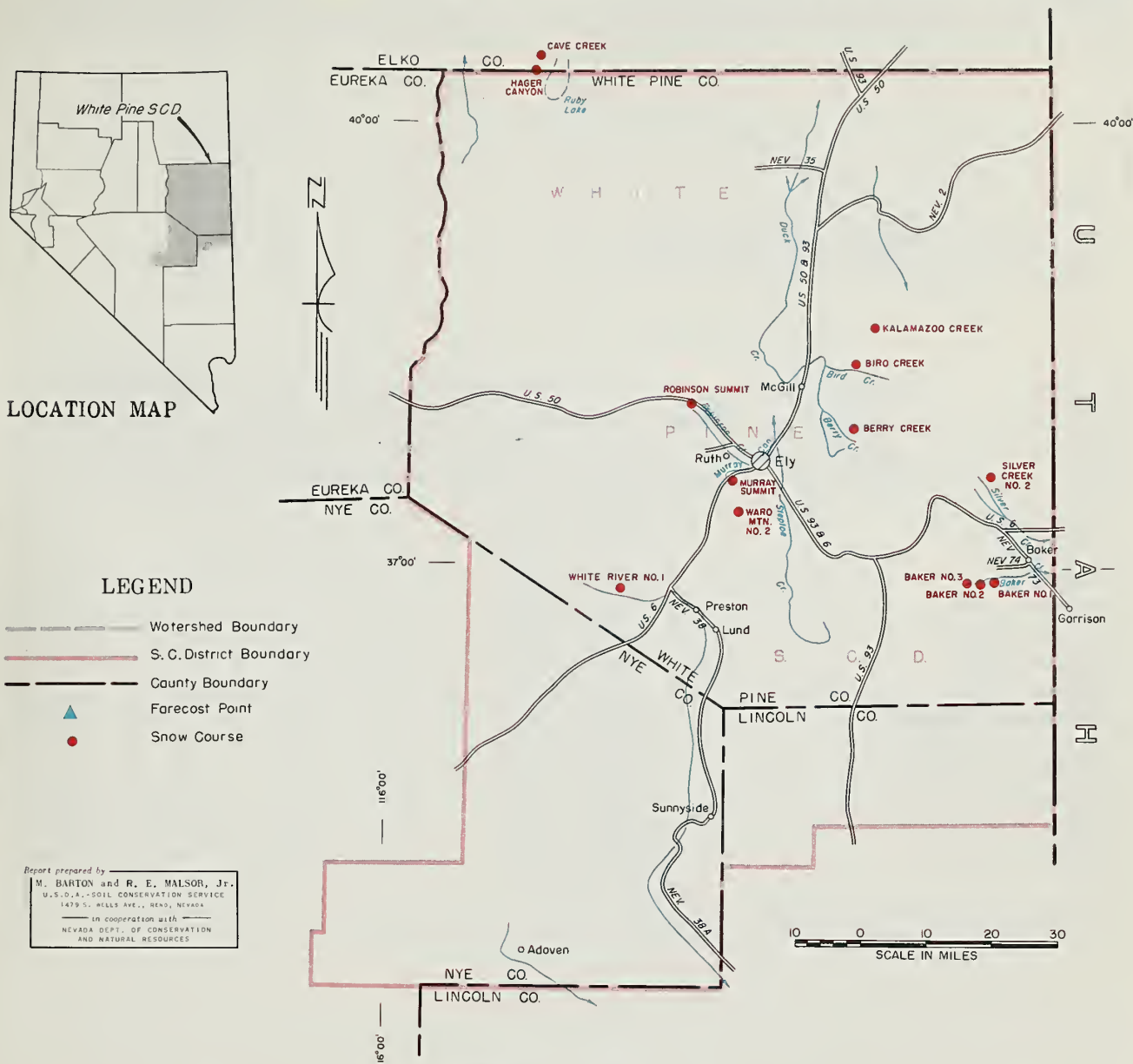
## SNOW

March 1, 1966

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
					LAST YEAR	AVERAGE
NAME	ELEVATION					
AUSTIN SCD						
Big Creek Camp Ground	6600	2/28	13	3.0	0.2	1.9*
Big Creek Mine	7600	2/28	18	3.5	4.4	3.7*
Upper Big Creek	7800	2/28	18	3.8	4.4	5.8*
TONOPAH SCD						
Lower Corral	7500	2/27	10	2.0	0.0	1.4*
Upper Corral	8500	2/27	23	4.1	4.2	4.5*
ESMERALDA SCD						
Campito	10,200	2/28	12	2.7	1.1	7.4*
Chiatovich Flat	10,500	3/4	4	1.0	0.0	--
Montgomery Pass	7,100	2/28	5	1.4	0.0	1.9*
Pinchot Creek	9,300	3/4	2	0.5	0.0	--
Piute Pass	11,700	3/4	6	1.5	0.0	--
VEGAS VALLEY SCD						
Clark Canyon	9000	Report Delayed			5.3	7.1*
Kyle Canyon	8200	3/3	37	11.5	4.7	8.9
Lee Canyon #1	8300	2/28	28	8.3	4.3	7.6
Lee Canyon #2	9000	2/28	40	11.5	5.2	8.4
Lee Canyon #3	8400	2/28	30	8.8	5.0	--
Rainbow Canyon #2	8100	2/28	51	17.0	8.5	13.2
Trough Springs	8500	3/1	28	7.3	2.5	6.1
MEADOW VALLEY SCD						
Mathew Canyon	6200	3/1	4	1.1	0.0	2.0*
Pine Canyon	6000	3/1	10	2.5	0.0	2.1*

# WATER SUPPLY OUTLOOK

WHITE PINE S.C.D., WHITE PINE, LINCOLN & NYE COUNTIES, NEVADA



Snowpack in White Pine County is 94 percent of average this year. The higher elevation snow is below average with the lower elevation snow being above average.

In the Snake Range near Baker the snowpack is 86 percent of average and in the Schell Creek range near McGill it is 83 percent of average. Moderately below average streamflow is expected in these areas this year.

Two snow courses measured near the Ruby Wildlife refuge were 112 percent of average. Streamflow in this area should be good this year.

Plate 7



## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted, a-Aerial marker; water content estimated. \* 1948-62 adjusted average.

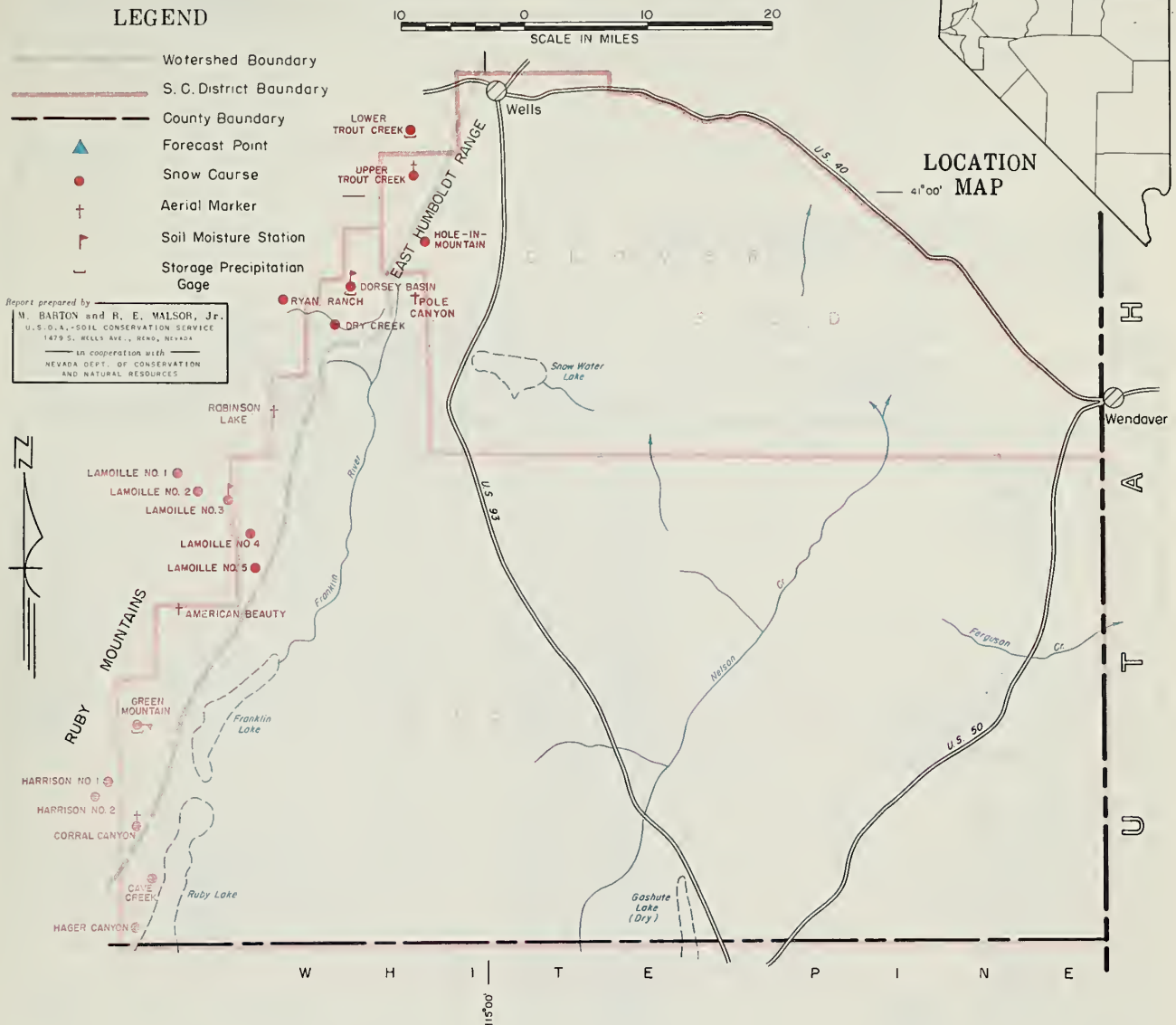
## SNOW

March 1, 1966

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Baker #1	7950	2/25	27	6.0	5.7	5.9
Baker #2	8950	2/25	46	11.3	15.0	13.5
Baker #3	9250	2/25	50	13.0	17.7	15.1
Berry Creek	9100	2/28	37	9.7	14.8	12.6
Bird Creek	7500	2/28	17	3.7	3.7	4.0
Cave Creek	7500	3/3	50	16.7	13.8	13.5
Hager Canyon	8000	3/3	58	18.2	23.7	18.0
Kalamazoo Creek	7400	2/23	24	5.5	7.1	7.1*
Murray Summit	7250	2/28	17	3.2	T	3.3
Robinson Summit	7600	3/2	19	3.9	T	3.2*
Silver Creek #2	8000	2/24	18	3.3	6.6	4.5*
Ward Mtn. #2	8900	3/1	39	10.6	--	16.7*
White River #1	7400	3/1	17	3.6	T	2.9*

# WATER SUPPLY OUTLOOK

## CLOVER & RUBY S.C.D's., ELKO COUNTY, NEVADA



March 1, 1966

Irrigation water supplies in the Clover and Ruby SCD's will be normal to below normal this spring and summer.

Mountain snowpack ranges from 48 percent to 210 percent of average. Low elevation snow is average to above average but the higher elevation snow is below to much below average.

Early season sunoff will be good due to the low elevation snowpack, however only fair runoff can be expected later in the irrigation season. Soil moisture is good so little runoff water will be required to recharge the soil mantle.

Plate 8

## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. • 1948-62 adjusted average.

## SNOW

March 1, 1966

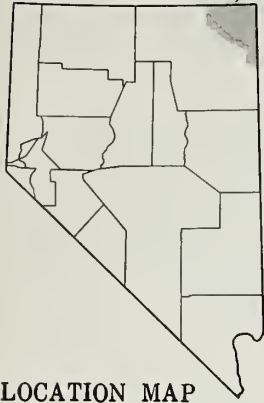
SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
American Beauty	7800	3/1	30	7.2a	--	--
Cave Creek	7500	3/3	50	16.7	13.8	13.5
Corral Canyon	8500	3/1	31	7.7a	17.0	16.0*
Dorsey Basin	8100	3/1	35	8.4	10.1	10.5
Dry Creek	6500	3/1	25	5.7	0.0	4.6
Green Mountain	8000	2/28	39	10.6	13.5	11.8*
Hager Canyon	8000	3/3	58	18.2	23.7	18.0
Harrison Pass #1	6600	2/28	22	5.2	2.0	4.2
Harrison Pass #2	7400	2/28	27	6.3	3.8	5.9*
Hole-in-Mountain	7900	3/1	43	12.6	29.4	17.6*
Lamoille #1	7100	3/3	42	9.3	8.2	9.3
Lamoille #2	7300	3/3	39	9.0	7.4	8.8
Lamoille #3	7700	3/3	40	9.2	16.0	11.4
Lamoille #4	8000	3/3	52	13.1	22.5	16.6
Lamoille #5	8700	3/3	57	17.1	32.6	24.3*
Pole Canyon	9140	3/1	5	1.3a	New Marker	
Ryan Ranch	5800	3/1	17	4.0	0.0	1.9
Trout Creek, Lower	6900	3/2	32	5.6	T	3.1*
Trout Creek, Upper	8500	3/1	40	11.6a	21.6 <sup>a</sup>	18.7*
Robinson Lake	9200	3/1	69	19.0a	--	--



# WATER SUPPLY OUTLOOK







NORTHEAST ELKO S.C.D., ELKO COUNTY, NEVADA

*Northeast Elko S.C.D.*

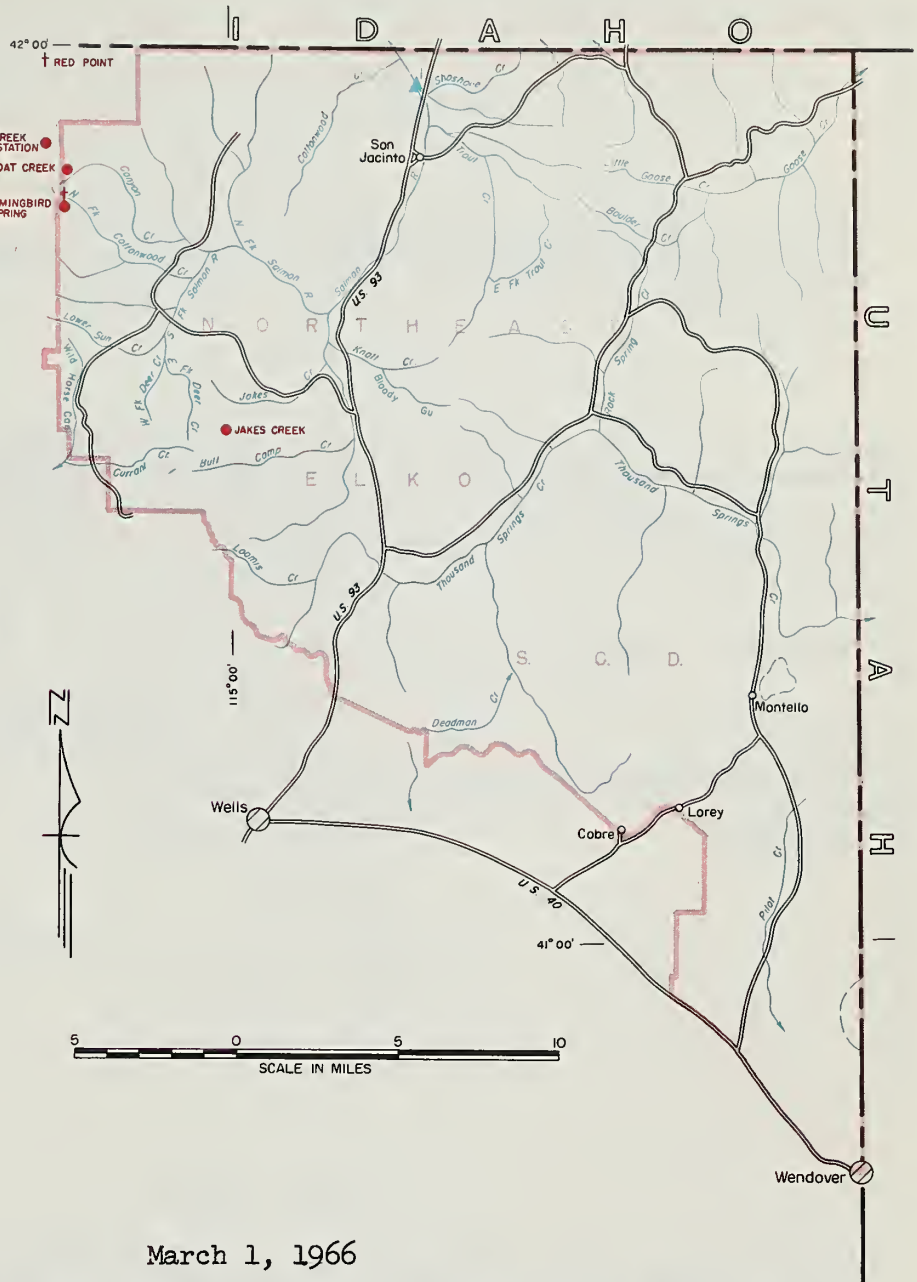


## LOCATION MAP

### LEGEND

-  Watershed Boundary  
 S.C. District Boundary  
 County Boundary  
 Forecast Point  
 Snow Course  
 Aerial Marker

Report prepared by M. BARTON and R. E. MALSOR, Jr.  
U.S.O.A.-SOIL CONSERVATION SERVICE  
1479 S. WELLS AVE., RENO, NEVADA  
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NEVADA DEPT. OF CONSERVATION  
AND NATURAL RESOURCES



March 1, 1966

Mountain snowpack in the Salmon Falls area is 78 percent of the March 1 average this year. Mountain soils are well wetted so little runoff water will be needed for recharge of the soil mantle.

Streamflow in this area will be below average this year. Salmon Falls Creek is forecast to flow 63,000 acre-feet or 83 percent of average during March-July.

## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1948-62 adjusted average.

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1.Salmon Falls Cr. near San Jacinto			
March-September	65	106	78
March-July	63	98	76
Forecasts issued by SCS, Boise, Idaho			

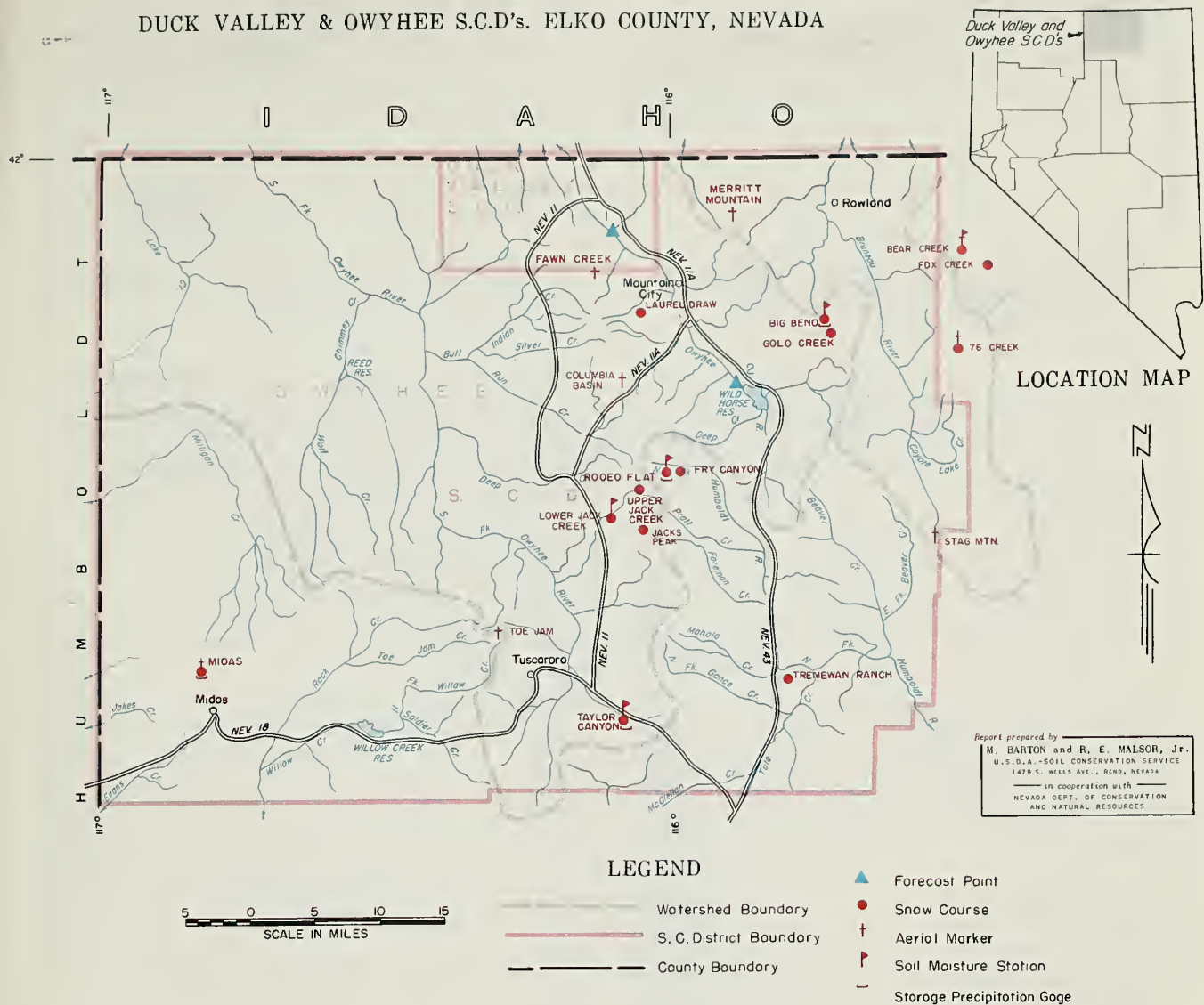
## SNOW

March 1, 1966

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Goat Creek	8800	2/24	40	11.8	22.0	15.9*
Hummingbird Springs	8945	2/24	49	14.3	25.4	18.4*
Jakes Creek	7000	Report Delayed			2.1	4.0*
Pole Creek Ranger Station	8330	2/24	44	12.8	22.7	15.7*
Red Point	7940	2/28	32	9.3a	10.0	--

# WATER SUPPLY OUTLOOK

DUCK VALLEY & OWYHEE S.C.D.'s. ELKO COUNTY, NEVADA



March 1, 1966

Duck Valley and Owyhee SCD's can expect a below normal water supply this year. The snowpack ranges from much below average to above average. Most of the snowpack in the higher elevations is below average with the snowpack at low elevations being above average.

The Owyhee near Gold Creek is forecast to flow 14,000 acre-feet or 64 percent during April-July and the Owyhee near Owyhee is forecast to flow 45,000 acre-feet or 61 percent of average.

Wild Horse Reservoir holds 17,000 acre-feet or 121 percent of average, and it is not expected to spill.

Soils are well wetted so little runoff water will be required to recharge the soil mantle.



## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Wild Horse	33	17	9	14

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1948-62 adjusted average.

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1.Owyhee River nr. Owyhee**	45	97	74
2.Owyhee River nr. Gold Creek**	14	28	22

\*\* Corrected for change in storage in Wild Horse Reservoir.

## SNOW

March 1, 1966

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Bear Creek	7800	2/24	40	11.9	24.5	16.6*
Big Bend	6700	2/24	23	5.5	7.4	8.5
Columbia Basin	6650	3/1	21	5.2a	6.3 <sup>a</sup>	--
Fawn Creek	7000	3/1	16	3.8a	0.3 <sup>a</sup>	
Fox Creek	6800	2/24	31	8.5	11.8	9.4*
Fry Canyon	6700	2/24	25	6.5	5.4	7.8
Gold Creek	6600	2/24	14	3.1	4.5	6.1*
Jack Creek, Upper	7250	3/1	21	5.5a	6.8 <sup>a</sup>	9.5*
Laurel Draw	6700	2/24	26	6.2	6.4	7.9*
Merritt Mountain	7800	3/1	T	T a	1.2 <sup>a</sup>	
Midas	7200	3/1	T	T a	T a	--
Rodeo Flat	6800	2/24	20	5.0	4.2	7.3
76 Creek	7100	3/1	21	5.9a	9.9 <sup>a</sup>	11.5*
Stag Mountain	7700	3/1	12	2.6a	6.2 <sup>a</sup>	--
Taylor Canyon	6200	2/25	20	5.4	4.4	4.6
Toe Jam	7700	3/1	30	7.5a	6.8 <sup>a</sup>	--
Tremewan Ranch	5700	2/25	12	3.0	T	1.4

## SOIL MOISTURE

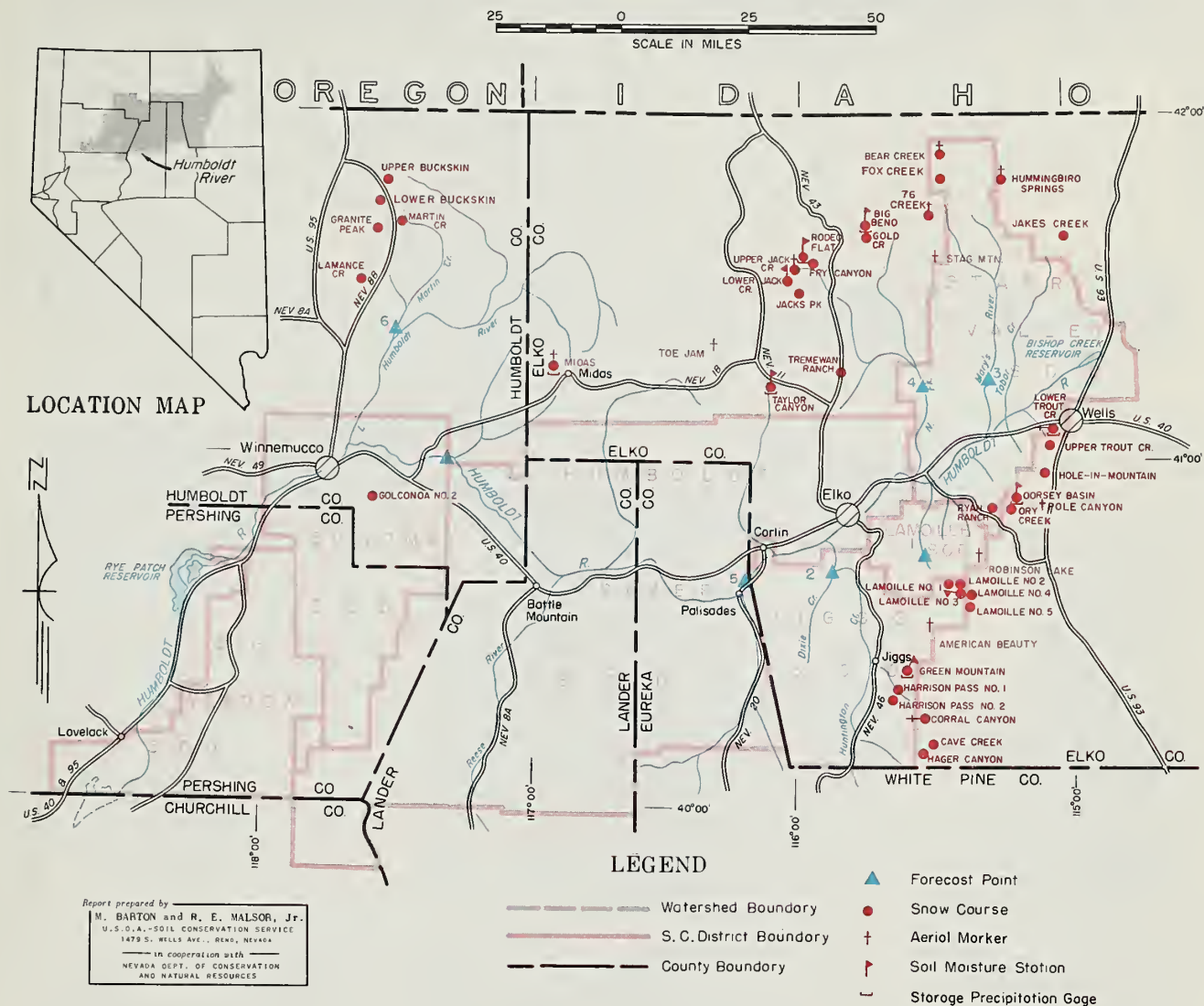
STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Bear Creek	7800	72	16.9	2/24	14.7	14.4	9.6
Big Bend	6700	48	16.7	2/24	15.1	16.5	15.7
Rodeo Flat	6800	42	11.0	2/24	10.6	11.0	8.9
Taylor Canyon	6200	48	15.1	2/25	12.4	15.0	12.6



# WATER SUPPLY OUTLOOK

## HUMBOLDT RIVER

CHURCHILL, ELKO, EUREKA, HUMBOLDT, LANDER & PERSHING COUNTIES, NEVADA



March 1, 1966

Water users in the Lovelock Valley will have a good water supply this year. Rye Patch Reservoir is full and additional water is being stored in the Pit Taylor Reservoirs.

The snowpack in the Humboldt basin varies from below average in the Santa Rosa and Independence ranges to above average at some snow courses in the Ruby Mountains. By elevation zones the low snow is above average with the high snow being below average. The Humboldt is forecast to flow 140,000 acre-feet or 81 percent at Palisade and 95,000 acre-feet at Comus. Lamoille Creek near Lamoille is forecast to flow 23,000 acre-feet or 88 percent of average. The South Fork is expected to flow 57,000 acre-feet or 95 percent of average. Two northern streams - Marys River and the North Fork of the Humboldt - are forecast at 20,000 acre-feet or 59 percent of average and 18,000 acre-feet or 53 percent of average respectively. Water users north of the Humboldt River can expect a much below average water supply and those to the south a slightly below average water supply.

Plate 11

## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Rye Patch	179	179	139	63

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated, \* 1948-62 adjusted average.

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1.Lamoille Cr. nr. Lamoille	23	34	26
2.So. Fk. Humboldt River nr. Elko	57	93	60
3.Marys River above Hot Springs Cr.	20	52	34
4.No. Fk. Humboldt at Devils Gate	18	43	34
5.Humboldt River at Palisade	140	247	173
Humboldt River at Comus	95	211	127
6.Martin Creek nr. Paradise Valley	11	19	17

## SNOW

March 1, 1966

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
					LAST YEAR	AVERAGE
Hummingbird Springs	8945	2/24	49	14.3	25.4	18.4*
Bear Creek	7800	2/24	40	11.9	24.5	16.6*
Big Bend	6700	2/24	23	5.5	7.4	8.5
Fawn Creek	7000	3/1	16	3.8a	0.3a	---
Fox Creek	6800	2/24	31	8.5	11.8	9.4*
Fry Canyon	6700	2/24	25	6.5	5.4	7.8
Gold Creek	6600	2/24	14	3.1	4.5	6.1*
Jack Creek, Upper	7250	3/1	21	5.5a	6.8a	9.5*
Merritt Mountain	7800	3/1	T	T a	1.2a	---
Rodeo Flat	6800	2/24	20	5.0	4.2	7.3
76 Creek	7100	3/1	21	5.9a	9.9a	11.5*
Stag Mountain	7700	3/1	12	2.6a	6.2a	---
Taylor Canyon	6200	2/25	20	5.4	4.4	4.6
Toe Jam	7700	3/1	30	7.5a	6.5a	---
Tremewan Ranch	5700	2/25	12	3.0	T	1.4
American Beauty	7800	3/1	30	7.2a	---	---
Cave Creek	7500	3/3	50	16.7	13.8	13.5
Corral Canyon	8500	3/1	31	7.7a	17.0	16.0*
Dorsey Basin	8100	3/1	35	8.4	10.1	10.5
Dry Creek	6500	3/1	25	5.7	0.0	4.6
Green Mountain	8000	2/28	39	10.6	13.5	11.8*
Hager Canyon	8000	3/3	58	18.2	23.7	18.0
Harrison Pass #1	6600	2/28	22	5.2	2.0	4.2
Harrison Pass #2	7400	2/28	27	6.3	3.8	5.9*
Hole-in-Mountain	7900	3/1	43	12.6	29.4	17.6*
Lamoille #1	7100	3/3	42	9.3	8.2	9.3
Lamoille #2	7300	3/3	39	9.0	7.4	8.8
Lamoille #3	7700	3/3	40	9.2	16.0	11.4
Lamoille #4	8000	3/3	52	13.1	22.5	16.6
Lamoille #5	8700	3/3	57	17.1	32.6	24.3*
Ryan Ranch	5800	3/1	17	4.0	0.0	1.9
Trout Creek, Lower	6900	3/2	32	5.6	T	3.1*
Trout Creek, Upper	8500	3/1	40	11.6a	21.6a	18.7*
Robinson Lake	9200	3/1	69	19.0a	---	---
Midas	7200	3/1	T	T a	T a	---
Golconda #2	6000	2/25	28	5.6	2.6	3.5*
Buckskin, Lower	6700	2/23	24	6.3	7.3	8.5*
Buckskin, Upper	7200	2/23	31	9.2	8.4	7.9*
Granite Peak	7800	2/23	22	6.7	18.9	10.9
Lamance Creek	6000	2/24	26	7.6	7.8	8.9
Martin Creek	6700	2/23	24	6.3	10.4	8.9
Pole Canyon	9140	3/1	5	1.3a	New Marker	M-1798-2



Kings River, Paradise Valley &  
Quinn River S.C.D's.

# WATER SUPPLY OUTLOOK

## KINGS RIVER, PARADISE VALLEY & QUINN RIVER S.C.D's. HUMBOLDT COUNTY, NEVADA

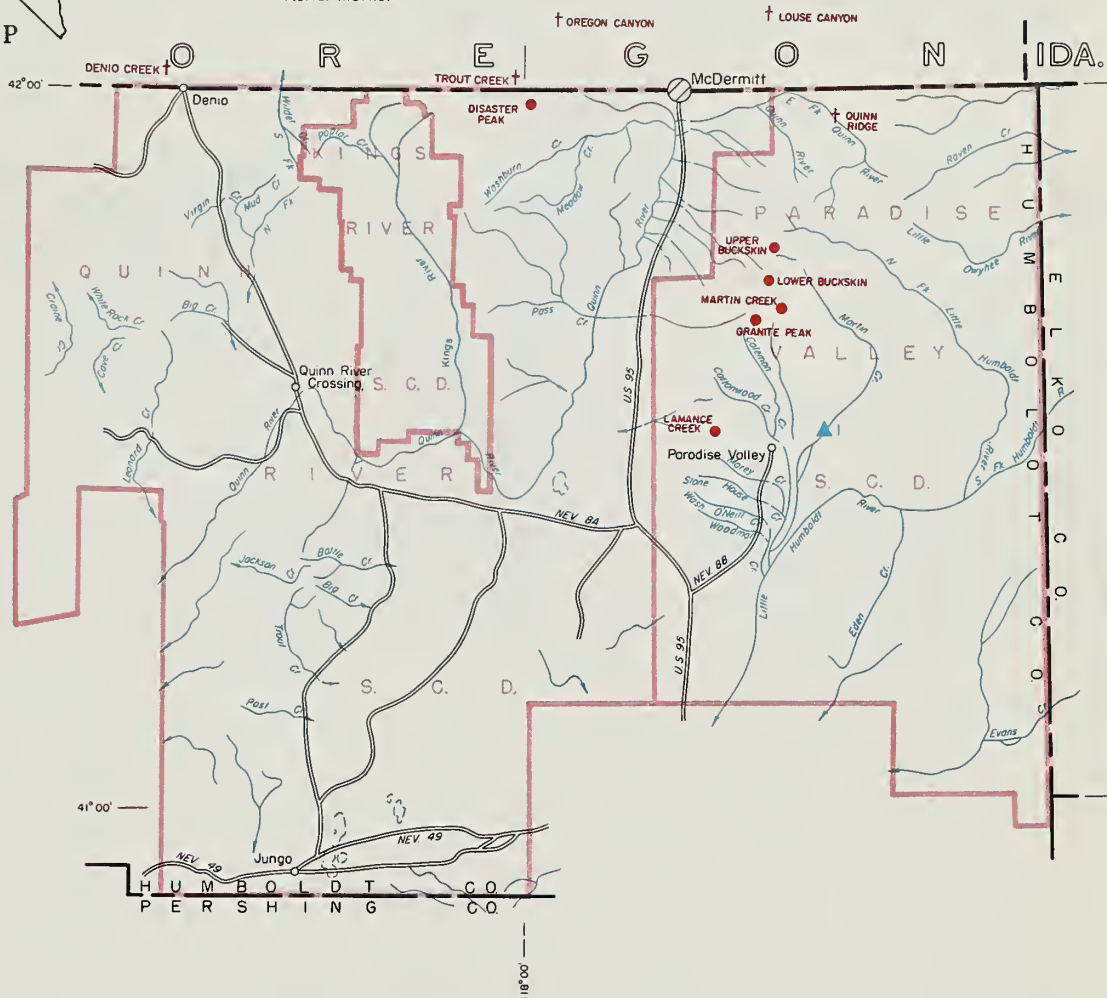
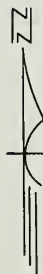
### LEGEND

- Watershed Boundary
- S.C. District Boundary
- County Boundary
- ▲ Forecast Point
- Snow Course
- † Aerial Marker

10 0 10 20  
SCALE IN MILES

Report prepared by  
M. BARTON and R. E. MALSOR, Jr.  
U.S.D.A.-SOIL CONSERVATION SERVICE  
1479 S. WELLS AVE., RENO, NEVADA  
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AND NATURAL RESOURCES

### LOCATION MAP



March 1, 1966

Snowpack in the Santa Rosa Mountains is variable this year with snow courses ranging from 62 to 116 percent of their March 1 averages. The overall average is 75-85 percent.

The irrigation season water supply outlook for Paradise Valley ranchers is only fair. Martin Creek is forecast to flow 11,000 acre-feet during April-July 1966. This is only 65 percent of average. Late season streamflow will be poor unless precipitation during March-May proves to be above normal.

Plate 12



## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Rye Patch	179	179	139	63

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1948-62 adjusted average.

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. Martin Creek nr. Paradise Valley	11	19	17
2. Humboldt River at Palisade	140	247	173
3. Humboldt River at Comus	95	211	127

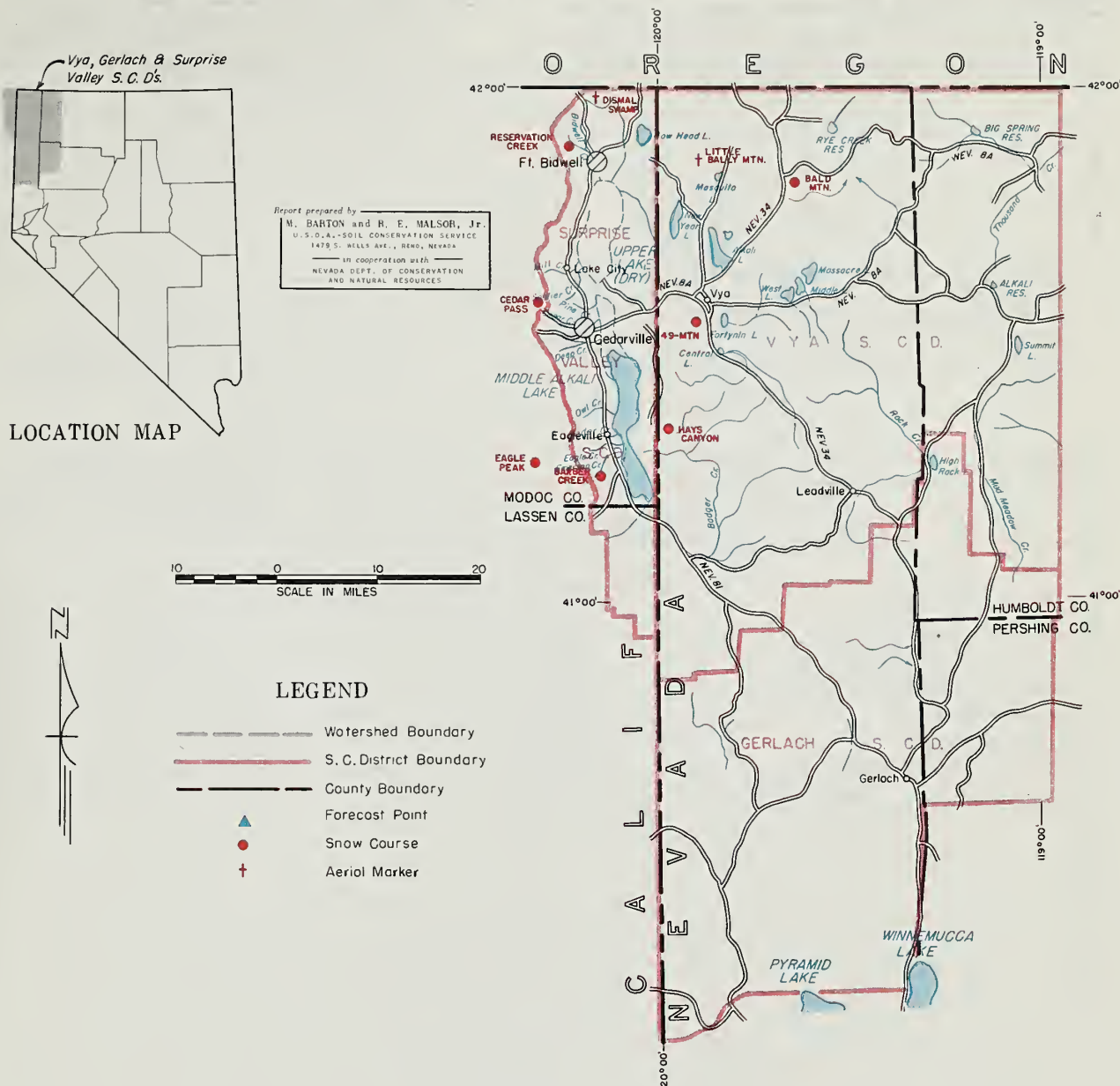
## SNOW

March 1, 1966

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Buckskin, Lower	6700	2/23	24	6.3	7.3	8.5*
Buckskin, Upper	7200	2/25	31	9.2	8.4	7.9*
Disaster Peak	6500	2/28	33	10.5	12.3	14.6*
Denio Creek (Oregon)	6000	3/2	6	1.7a	0.0a/	--
Granite Peak	7800	2/23	22	6.7	18.9	10.9
Lamance Creek	6000	2/24	25	7.6	7.8	8.9
Louse Canyon (Oregon)	6440	3/2	21	6.1a	0.9a/	--
Martin Creek	6700	2/23	24	6.3	10.4	8.9
Oregon Canyon (Oregon)	7240	3/2	13	3.8a	3.7a/	--
Quinn Ridge	6300	3/2	17	4.9a	0.0a/	--
Trout Creek (Oregon)	7800	3/2	20	5.8a	9.2a/	--

# WATER SUPPLY OUTLOOK

VYA & GERLACH S.C.D.'S., NEVADA and SURPRISE VALLEY S.C.D., CALIFORNIA



March 1, 1966

Surprise Valley water users will have only a fair irrigation season water supply this coming spring and summer. Coordinated forecasts of the California Department of Water Resources and the Soil Conservation Service snow survey units indicate that April-September 1966 streamflow from the east slope of the Warners will range from 63 to 71 percent of average.

Water content of snow in the Surprise Valley and Vya SCD's is below average at 75 percent of the March 1 average. Cedarville precipitation October 1965-February 1966 was 3.94 inches compared to 9.07 inches last year and an average of 7.56 inches.

Good March precipitation and early spring precipitation could markedly improve the present outlook.

Plate 13

## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

## NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1948-62 adjusted average. \*\* Last year's flow for these streams not available at this time.

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
Bidwell Creek nr. Fort Bidwell	9.3	**	14.3*
Mill Creek above all diversions	3.6	**	5.5
Deep Creek above all diversions	2.4	**	3.8
Eagle Creek nr. mouth of canyon	3.7	**	5.2

Note: April-Sept. forecasts.

Coordinated forecasts of SCS and Calif. Dept. Water Resources Snow Survey Units.

## SNOW

March 1, 1966

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Bald Mountain	6720	2/23	13	2.7	2.4	3.5
Barber Creek (Calif.)	6500	2/24	30	7.6	14.1	10.5*
Cedar Pass (Calif.)	7100	3/2	44	10.5	17.3	13.8
Dismal Swamp (Oregon)	7000	2/26	36	10.4a	18.0a/	15.8*
49 Mountain	6000	2/25	17	3.4	5.3	4.3*
Hays Canyon	6400	2/25	12	2.3	4.2	3.8*
Little Bally Mountain	6000	2/26	11	3.2a	1.2a/	--
Reservation Creek (Calif.)	5900	2/24	32	9.4	10.4	10.4*



# Agencies Cooperating in Collecting Data Contained in this Bulletin

## FEDERAL

- Agricultural Research Service
- Army
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Navy
- Soil Conservation Service
- U.S. District Court - Federal Water Master
- Weather Bureau

## STATE

- California Cooperative Snow Surveys
- California Department of Parks and Recreation
- California Department of Water Resources
- Colorado River Commission of Nevada
- Nevada Association of Soil Conservation Districts
- Nevada Cooperative Snow Surveys
- Nevada Department of Conservation & Natural Resources
  - Division of Water Resources
  - Nevada State Forester-Firewarden
- Oregon Cooperative Snow Surveys
- University of Nevada
- White Mountain Research Station, Univ. of California

## PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas & Electric Company
- Pershing County Water Conservation District
- Sierra Pacific Power Company
- Squaw Valley Development Company
- Truckee-Carson Irrigation District
- Virginia City Water Company
- Walker River Irrigation District
- Washoe County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

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with the Snow Survey"*